

प्राधिकार से प्रकाशित PUBLISTAED BY AUTHORITY

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नई दिल्ली, शनिवार, फरवरी 3, 1979 (माघ 14, 1900)

No. 5]

NEW DELHI, SATURDAY, FEBRUARY 3, 1979 (MAGHA 14, 1900)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके । Separate paging is given to this Part in order that it may be filed as a separate compilation.

## भाग III—खण्ड 2

## PART III—SECTION 2

पटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टी और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस [Notifications and Notices issued by the Patent Office relating to Patents and Designs ]

# THE PATENT OFFICE PATENTS AND DESIGNS

Calcutta, the 3rd February 1979

The following Notification rublished in the Gazette of India, Part II, Section 3(ii), dated the 7th October, 1978 at page 2761 is reproduced below:—

Government of India

Ministry of Industry

Deptt. of Industrial Development

New Delhi, the 25th September 1978

S.O. 2929.—In exercise of the power confured by section 152 of the Patents Act, 1970 (39 of 1970) the Central Government hereby makes the following amendment in the notification of the Government of India in the Late Ministry of Industry and Civil Susplies (Department of Industrial Development) No. S.O. 2819 dated the 29th July, 1975, namely:—

In the said notification under the heading "BTHAR" in the entries against Dhanbad, the following words shall be emitted namely:—

'The General Manager, Fartiliser Cornoration of India Ltd., Flanning and Development Division, C.I.F.I. Buildings, P.O. Sindri, Distt. Dhanbad, "BIHAR".

F. No. 18(19)78-PP&C.

Sd/-

(P. R. CHANDRAN)

Deputy Secretary to the Government of India 1-447GI/78

## APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE

NO. D

-(D)--73

The dates shown in crescent brackets are the dates claimed under Section 135 of the Act.

## 28th December, 1978

1386/Cal/78. Takeda Chemical Industries, Ltd. Fungicidal composition for agricultural use.

1387/Cal/78. Orszagos Koolai ES Gazipuri Troszt. Axial flowing multi le-purpose flow equipment.

## 29th December, 1978

1388/Cal/78. D. P. Chaudhary. Screwed button and its cover.

1389/Cal/78. Bunker Ramo Corporation. Improved fibre optic cable connector rin accembly and method for terminating an optical fiber.

1390/Cal/78. Union Carbide Corporation. Process for CO<sub>2</sub> removal.

1391/Cal/78. Ciba-Geigv AG. Piccess for the production of nevel hydroxyalkyl difficultamates. [Divisional date December 28, 1977].

1392/Cal/78. C'ba-Geigy Ag. Process for the production of novel hydroxialkal dible re-beneates. [Civicional data December 28, 1977].

1393/Cal/78. Chittaranjan Mukharijae. Eupreved electrical generator and motor.

1394/Cal/78. Alfa-Lavat Aktirbates. A method for the production of a volatile organic compound, preferably ethanol, by continuous formulation.

1395/Cal/78. Alfa-Lavat Alfabatas. A method for the recovery of a volatile compound by fermentation of carbohydrate material.

(65)

## 30th December, 1978

1396/Cal/78. The Carborundum Company. Granular activated carbon manufacture from brown coal treated with concentrated inorganic acid without pitch.

## 1st January, 1979

- 1/Cal/79. Dr. C. Otto & Comp. GMBH, and Saarbergwerke AG. Ignition system for fluidized-stream gasifiers.
- 2/Ca1/79. L. D. S. Afonso. Central for generating energy, mainly electrical energy.

#### 2nd January, 1979

- 3/Cal/79. Monsanto Company. Sodium sesquiglyphosate.
- 4/Co1/79. RCA Corporation. Burled contact configuration for CMOS/SOS integrated circuits.
- 5/Cal/79. T. Charles and B. Hilda. Method and baking apparatus for the dehydration of waste and vegetable matter.
- 6/Cal/79. Wenn United, Inc. Method and apparatus for aligning extrusion producing members of a press.

## 3rd January, 1979

- 7/Cal/79. Montedison S.p.A. Process for the preparation of new phosphoric esters drived from 1, 2, 4-triazole, having an insecticide, nematocide and acaricide, action. [Divisional date November 15, 1977].
- 8/Cal/79. Chlorine Engineers Corp., Ltd. Electrolytic cells, for electrolysis of sea water.
- 9/Cal/79. C.A. Gratzmuller. A hydraulic control system for electric circuit-breaker.
- 10/Cal/79. Nitto Boseki Co., Ltd. Improved precision winder for the drawing and packaging of synthetic fibers.

## APPLICATION FOR PATENTS FILED AT THE (DELHI BRANCH)

## 6th December, 1978

- 884/Del/78. R. Dayal. A process for splitting water to produce energy.
- 885/Del/78. Girling Limited. Improvements in disc brakes for vehicles. (December 23, 1977).
- 886/Del/78. International Business Machines Corporation.

  Methods of erasing typewriter printed characters and typewriters including erase apparatus. (October 30, 1978).
- 887/Del/78. Ressorts Industrie. Resilient mounting for a rail on its support.
- 888/Del/78. Cementation Group Engineering Limited. Improvements relating to boring tools. (December 7, 1977).

## 7th December 1978

- 889/Del/78. Messerschmitt-Bolkow-Blohm Gesellschaft MTT
  Beschrankter Haftung and Gesellschaft FUR
  Kernforschung M.B.H. A separating nozzle
  assembly for separation of gaseous or vaporous
  substances of different molecular weights.
- 890/Del/78 Harding Industries, Inc. Method and apparatus for bonding thermoplastic materials.
- 891/Del/78. Uniroyal, Inc. Mechanical power transmission system. (December 14, 1977).

## 8th December, 1978

892/Del/78 Council of Scientific and Industrial Research. A process for the manufacture of 'collagen sheet or the like from mammalian tissues.

## 12th December, 1978

893/Del/78 H. R. Gupta. An electronic code combination Unit.

- 894/Del/78. Uniroyal, Inc. Improved pulley for positive drive systems.
- 895/Del/78. Solco Basel AG. Heterovaccine against the trichomones syndrome, and process for its preparation.
- 896/Del/78. Council of Scientific and Industrial Research.
  Improvements in or relating to combustion systems of gas turbine engines operating on gaseous fuels.
- 897/Del/78. Sir Padampat Research Centre. A process for the manufacture of a heat-stabilizer and anti-oxidant composition for polycaproamide (nylon-6).
- 898/Del/78. Sir Padampat Research Centre. A process for the production of black coloured polyester poly (ethylene terephthalate) filament or staple fibre.

## 13th December, 1978

- 899/Del/78. M/s. S. S. Industries. A high speed rotary filler.
- 900/Del/78. Coors Food Products Company. Cocon flavored product and process for manufacturing same.
- 901/Del/78. Sio-Societa Per L'Industria Dell'Ossigeno B DI Altri Gas S.p.A. Method and device for welding protected metal parts and the application of the method and device.
- 902/Del/78. Siemens-Albis Aktiongesellschaft, Improvements in or relating to methods of and apparatus for angular measurement in target tracking radar systems. (November 15, 1978).
- 903/Del/78, Stamicarbon B.V. Process for the manufacture of articles of water-hardening material.

## 14th December, 1978

904/Del/78. Council of Scientific and Industrial Research.

Heat sensitive process for document copying purpose.

# APPLICATION FOR PATENTS FILED AT THE (MADRAS BRANCH)

## 18th December, 1978

228/Mas/78. Indian Institute of Technology. An improved method of, and an apparatus for, electrolytic grinding.

## 23rd December, 1978

- 229/Mas/78. N. M. Rao. A new device for sharpening pencils quickly, safely and economically.
- 230/Mas/78. N. Omdev. A solid state device for simultaneous monitoring of water level in over-head tanks and ground level sumps.

## ALTERATION OF DATE

145991.

854/Cal/77. Ante-dated December 21, 1974.

146025.

161/Mas/77, Ante-dated August 30, 1976.

## COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in the opposing the grant of patents of any of the applications concerned may at any time within four months of the date of this issue or on form 14 prescribed under the Patents, 1972 before the expiry of the said period of four months given notice to the Controller of Patents at the appropriate office as indicated in respect or each application, on the prescribed form 15 of each opposition. The written statement of opposition should be filed along with the said notice or within one month from its date as prescribed in Rule 35 of the Patents Rules, 1972.

"The Classifications given below in respect of each specification are according to Indian Classification and International Classification.

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8 Kiran Shankar Ray Road, Calcutta in due Course. The price of each specification is Rs. 2/(postage extra is sent out of India). Requisition for the supply of the printed specifications should be accompanies by the number of the specifications as shown in the following list. ing list.

Typed or photo copies of the specifications together with the photo copies of the drawings, if any can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be assertained on application to

CLASS 181. Int. Cl.-F16j 15/00.

145981.

HYDROSTATIC SHAFT SEALING.

Applicant: KLEIN, SCHANZLIN & BECKER A.G., OF 6710 FRANKENTHAL (PFALZ), FEDERAL REPUBLIC OF GERMANY.

Inventor: KARL GAFFAL.

Application No. 15/Cal/77 filed January 7, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta,

## 4 Claims.

Single stage or multiple-stage hydrostatic shaft sealing (slide ring scaling) for coolant pumps with a sealing) ring which is rotating in the same packing space with the vertical pump shaft, and a scaling ring fixed to the pump housing, a leakage fluid scaling column between the sealing surface thereof, an automatic additional circulation superimposed on the sealing leakage current and consisting of an auxiliary programming programming a cealing space. conveying mechanism a sealing space, a throttle column on the sealing ring fixed on the pump housing and further consisting of flow canels which connect a space behind said throttle column with a space in front of the conveying mechanism.

CLASS 128A.

145982.

Int. Cl.-A61f 13/00.

A PROTECTIVE ABSORBENT LINER FOR NETHER GARMENTS.

Applicant: PERSONAL PRODUCTS COMPANY, LOCATED AT MILLTOWN, NEW JERSEY, U.S.A.

Inventors: KAYS CHINAI AND JAMES GINOCCHIO.

Application No. 90/Cal/77 filed January 21, 1977.

Appropriate office for opposition Proceedings (Rul,e 4, Patents Rules, 1972) Patent Office, Calcutta

## Claims.

A protective absorbent liner for nether garments comprising: an elongated absorbent body as herein described having a body contacting major surface and a garment contacting major surface; means for securing said liner to the interior of the crotch portion of said nether garment, said means comprising a pressure sensitive adhesive element as herein described disposed upon said garment contacting surface and extending longitudinally and substantially, from end to end on said garment contacting surface; a removable protective release strip overlying said pressure sensitive adhesive element;

at least one end portion of said pressure sensitive adhesive element being provided with a pattern of raised and de-pressed areas whereby the resistance to peeling of both the release strip and the nether garment is lower in said end portion than in the central portion of said adhesive element.

CLASS 32E & 40B. Int. Cl.-B01j 11/00, C08f 3/00.

145983.

A PROCESS FOR PREPARING A CATALYST COM-PONENT COMPRISING A TITANIUM TRICHLORIDE MATERIAL AND A SATURATED MONOCYCLIC MONOTERPENIC KETONE OR A BICYCLIC MONO-TERPENIC KETONE.

Applicant: STAUFFER CHEMICAL COMPANY, OF WESTPORT, CONNECTICUT 06880, UNITED STATES OF AMERICA.

Inventor: GREGORY GERASIMOS ARZOUMANIDIS. Application No. 280/Cal/77 filed February 25, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta

#### 23 Claims.

A process for preparing a catalyst compenent comprising a titanium trichloride material and a saturated monocyclic monoterpenic ketone or a bicyclic monoterpenic ketone, by pulverising the titanium trichloride material with the monopulverising the transom trichloride material with the monoterpenio ketone in a ball mill or other suitable size reduction apparatus in the absence of diluents and in an inert atmosphere, such as nitrogen or argon, which is substantially free of oxygen, water and other catalyst poisons, at a temperature and for a length of time suitable for reducing the mixture contained therein to a pulverulent composition and then activating with an organoaluminium compound to produce the catalyst component duce the catalyst component.

CLASS 48C & 98F.

145984.

Int. Cl.-H04q 1/00, F161 59/00.

THERMAL INSULATING DUCT LINER.

Applicant: JOHNS-MANVILLE CORPORATION, OF 22 EAST 40TH STREET, NEW YORK, STATE OF NEW YORK, UNITED STATES OF AMERICA.

Inventors: RICHARD JAMES RAY, JR. DANIEL PAUL KOPY AND THEODORE RICHARD ROHWEDER]

Application No. 288/Cal/77 filed February 28, 1977.

Appropriate office for opposition Proceedings (Rul,e 4, Patents Rules, 1972) Patent Office, Calcutta,

#### 15 Claims. No drawings.

A flexible air duct liner comprising a thermal insulation layer of fibrous material and an erosion resistant working face layer of higher density than said insulation layer wherein said working face layer includes a thin open structured organic fibrous facing material adhered to said thermal insulation layer and coated in place with a flame retardant vinyl polymer containing coating in order to produce a duct liner having a flame spread classification of less than 25, a smoke developed classification of less than 50, and a surface roughness (e) of less than about 0.0025 feet.

145985.

CLASS 1-C & 92D. Int. Cl. B02c 18/00, C09j 3/00.

PURIFICATION OF TAMARIND GUM BY AIR CLASSIFICATION.

Applicant: GENERAL MILLS CHEMICALS, INC. AT 4620 WEST 77TH STREET, MINNEAPOLIS, MINNESOTA-55435, UNITED STATES OF AMERICA.

Inventors: DUANE ARNOLD JONES, & WESLEY ALBRIGHT JORDAN.

Application No. 379/Cal/77 filed March 15, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta

## 8 Claims.

A process for the purification of crude tamarind seed polysaccharide comprising admixing a powdered silica with, and/or by solvent defatting as hereinbefore described, the and/or by solvent detatting as hereinbelore described, the crude tamarind seed polysaccharide; finely grinding the crude tamarind seed kernel polysaccharide to a particle size of less than 100 microns, said particles size having a gradation of particle size and air classifying in known manner said finely ground crude tamarind seed kernel powder into at least a first fraction having an increased protein content and a second fraction having a reduced protein content and an increased tion having a reduced protein content and an increased polysaccharide content.

CLASS 172D<sub>3</sub>. Int. Cl.-D01h 7/86.

145986.

TWO-FOR-ONE TWISTING SPINDLES.

Applicant: PALITEX FROJECT-COMPANY GMBH., OF POSTF, C11 1728, 4100 KAEFELD, WEST GERMANY.

Inventor: Johnson, KALLMANN.

Application No. 400/Cal/77 and March 19, 1977.

Ap. Politics office for opposition Proceedings (Rule 4, Parties titles, 1912) ratem Ones, Calcuna.

#### 7 Claus

A two-for-one twicking spindre with a rotatable thread storage case, rorming part of the spindre force, and a inteducyone force in the execution of a hollow spindre start axis and decorations and apox of the inicial bandon which is generated, choracterist in that between the linead guiding cyclet decorating the apox of the cancon and the inicial storage due there is foldably mounted on the hollow spindre chart, in the zene of the derivery bobbin carrier, a fold carbonarical body of revolution swept in the on its cline a redinaricale, by the inicial rotating in the fold of a divide barroin, and in dist the external dame. Coffine body of territoria, and the distribution is farger man the maximum diameter of the linity-would delivery bobbin.

CLASS 98D.

145987.

Inc. Cl. F280 3/02.

ROTARY REGENERATIVE HEAT EXCHANGE APPARATUS.

Applicant: THE AIR PREHEATER COMPANY, INC., OF ALDOVER ROAD, WELLSVILLE, NEW YORK, UNDER STATES OF AVERICA.

Inverses: RICHAFO FRANKLIN STOCKMAN AND RUDERGON JAY BAKLER.

Application No. 461/Cal/77 filed March 28, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Aun.), 19/1.) Fatent Office, Calcutta.

#### 8 Ciaims.

Retary regenerative heat exchange apparatus having a mass of near absolute ratacher disposed for rotation concentration, about a vertical rotor post, a housing starround in said roto, including that plats at opposite ends of the rotor kinding aperatuses and south the now of heating fluid and fluid to be heated another tout its vertical axis, a guide beating incentification for rotation tout its vertical axis, a guide beating incentificate the upper end of the rotor post and the rotor having adapted to produce radial movement of the rotor post, a housing for the guide beating supported by the rotor post and adapted to move axishly with thermal expansion of the rotor, sector plates intermediate an end of the rotor and the end plates of the rotor housing adapted to separate the having fluid from the fluid to be heated, post to ling means intermediate the radially inner end of the social plates and the rotor post precluding the flow of fluid therebeivery, and support means depending from the bearing housing adapted to simultaneously support the post cooling means and the inbrard ends of the sector plates for independent rodial and axial movement whereby in response to thermal variations of the rotor.

CLASS 40F & 139A.

145988

Int. Cl. C08: 11/18, P01j 1/00.

PROCISS FOR THE PRODUCTION OF CARBOM BLACK.

Applicant PHILLIPS PETROLLIM COMPANY, OF REPTITEVILLE STATE OF OKLAHOMA, UNITED STATES OF AMERICA.

Inventors: GERARD KRAUS AND HAROLD RAY HUNT.

Ambigation No. 504/Cal/77 filed April 5, 1977.

Appropriate office for opposition Proceedings (Rule 4. Patents Rules, 1972) Patent Office, Calcutta.

## 5 Claims.

A process for the production of carbon black having a tint residual of -5 or less which comprises: introducing a normally liquid hydrocarbon feedstock axially at a total

included spray angle of about 90 degrees, said feedstock being introduced into a precombustion zone at a locus between the upstream portion and about halfway through said precombustion zone of a carbon black reactor; combusting a full with a combustion-supporting gas to generate a hot combustion gas vortex in said precombustion zone, said hot combustion gas having an excess of combustion-supporting gas, therein; passing the mixture of said feedstock and said hot combustion gas, wherein the ratio of said combustion supporting gas to said feedstock is about 100 to about 130 standard cub 2 fast per petund, from said precombustion zon to a fast received zone of said carbon black reactor; pyrolytically decomposing said feedstock in said first reaction 1 to a fast received zone having an inlet portion adjacent the outlet of said precombustion zone of larger contained and said and the outlet of said first reaction zone, and said inlet portion of said first reaction zone being smaller elementation and acca than said precombution zone; passing the reaction area than said precombution zone into a second reaction zone of each reaction zone being larger than said land portion of said first reaction zone and adapted to elect reptil expansion of said first reaction mass entering said second reaction zone; quenching the reaction effluent for said accord reaction zone, and recovering said carbon black as preduct of the process.

CLASS 81. Int. Cl.-E21b 35/00. 145989.

#### FIRE EXTINGUISHING FOAMS.

Applicant & Inventor: PRAMOD RATANCHAND BALEGTA, OF AVON SERVICES (P & A) PRIVATE LTD., 79A, ACHANYA JAGDISH BOSE ROAD, CALCUITA-14, W.E., INDIA.

Application No. 607/Cal/77 filed April 22, 1977.

Appropriate office for operation Proceedings (Rule 4, Patches Rules, 1972) Patcht Office, Calcutta.

## 3 Clauns. No drawings.

A composition of fire extinguishing foams particularly for alert, I resistant forms complising a colleidal solution of high morecular weight fatty acids, like stearic acids, cety and a plant's acid and onto ottary alreadd in a solvent cuch as hardinbefore described, ctabilized by the addition of substantial and as teicthonol amine and monechance amine and conforming a heavy metal water soluble calt of an organic acid like aluminium lactate, aluminium queetnate, retroit lecture and formus gluconate, with or without the addition of further agint(s) for preventing precipitation and/or deterioration (exidation) of cald solution, such need to be a preceded as a collection of the solution of solution, such needs being e.g. glucose, butylated hydroxyanisole, ethylene diamene tetra-acetic acid (differ this sodium) or poastium solut, sodium bonzoate, phenol, potassium metabasulphite and formalin and water.

CLASS 39P & 56C.

145990.

Int. Cl.-E01d 9/00, C01f 7/74.

A METHOD OF CRYSTALIZING ALUMINIUM SULPHATE SOLUTION TO DUSTFREE GRANULES HAVING UNIFORM GRAIN SIZE.

Applicant: BOLIDEN AKTIFBOLAG, OF STUREGATAN 22, STOCKHOLM, SWEEDEN.

Inventors: EGON BGISEN SCHMIDT, JOSEF KARL SEPP ZECNER, GOSTA MAGNUM FRANG.

Application No. 841/Cal/77 filed June 6, 1977.

'Appropriate effice for opposition Preceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta

#### 11 Claims.

A method of the solution of aluminium sulphate to form the having an essentially uniform grain size and being in the form of granules having a characteristic appearance and good storage properties, by applying the solution onto a bed of cluminum sulphate in a rotating drum, a temperature of 70-95°C being maintained in the bed, characterized in that the aluminium sulphate solution having a temperature of 105-115°C and a concentration corresponds to 14.5-16.8% by weight of Al-O<sub>3</sub> is brought to crystllize onto a bed of crystalline aluminium sulphate in a drum, the length of

which is considerably larger than the diameter, that part of the crystalline product discharged from the drum is ground and recycled to the drum in an amount of 40-200 per cent by weight of the added solution and that air is passed through the drum to remove moisture evolved by the crystallization so as to form a final product with more than 75 percent by weight present in the crystalline state and containing aluminium sulfate correspond to 15.0–18.0% by weight of A!.O<sub>3</sub>.

CLASS 32F<sub>6</sub>b & 40A<sub>1</sub>.

145991.

Int. Cl.-C07c 57/04, 51/16, B01i 11/00,

PROCESS FOR THE CATALYTIC PRODUCTION OF ACRYLIC ACID FROM ACROLEIN AND METHACRY-LIC ACID FROM METHACROLEIN.

Applicant: THE STANDARD OIL COMPANY, OF MICLAND BUILDING, CLFVELAND, OHIO 44115, UNITED STATES OF AMERICA.

Inventors: SERGE ROMAN DOLHYJ, ERNEST CARL MILBERGER AND NOEL JEROME BREMER.

Application No. 854/Cal/77 filed June 8, 1977.

Division of Application No. 2825/Cal/74 filed December

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 19 Claims. No drawings.

A process for the production of acrylic acid or metha-A process for the production of acrolein or methacrolein with molecular oxigen in the presence of steam at a temperature of of 200° to 500° in the presence of a catalyst composition consisting of cx des or oxide complexes wherein at least 50% of the atoms other than oxygen and support are uvanium, thorium or mixture thereof, plus tungsten, vanadum and molybdenum plus optionally one or more of Fe. Co. Ni. Zn. Cu. Mg. Mn. Bi, Ti, Zr. Sn. P. an alkali metal, an alkaliae earth metal, lanthanum or an element of the lanthanoid series.

CLASS 55E, & 182C.

145901

Int. Cl.-C08b 19/00, 25/00, A61k 27/00.

METHOD OF PRODUCING POLYSACCHARIDES.

Appl'cant: KUREHA KAGAKU KOGYO KABUSHIKI KAISHA, OF NO. 8, HORIDOME-CHO 1-CHOME, NIHONBASHI, CHUO-KU, TOKYO, JAPAN.

Inventors: CHIKAO YOSHIKUMI, TOSHIHIKO WADA, MASAHIKO FUJII KUREHA KAGAKU SEIFURYO, HIROMITJU MAKITA, KINZABURO SUZUKI, AKIO SHINMYO AND HARUHISA HAYASHI.

Application No. 1006/Cal/77 filed July 4, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 5 Claims. No drawings.

A method of producing a nitrogen-containing polysaccharide characterized in that a fungus belonging to the genus Coriolus of the clars Basidiomycetes is subjected to submerged culture as herein defined in an aqueous liquid medium and the thus obtained culture is dried at a temperature of 60-150°C, and extracted with water or a dilute alkidine solution, and then the thus obtained extract solutions is subjected to the refining treatment by using any contion is subjected to the refining treatment by using any conventional method with water in removing therefrom the substances with molecular weight of less than 5,000.

CLASS 90F.

145993.

Int. Cl.-C03b 37/00.

METHOD AND APPARATUS FOR DRAW FORMING GLASS FIBERS.

Applicant: NITTO BOSEKI CO., LTD., OF AZA HIGASHI, GONOME, FUKUSHIMA-SHI, SHIMA, JAPAN. NO. OF FUKU-

Inventors: MASARU ISHIKAWA, TAKESHI WATAN-ABE AND KAZUO NISHIMAKI. MASAAKI TAKITA AND SHINSUKE SHIKAMA.

Application No. 1207/Cal/77 filed August 4, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 8 Claims.

In a method of draw forming glass filaments wherein molten glass in a melt further street, in the plurality of flow holes in the botto to the control of the in rows and each terminating in the control of the form a plurality of molten glass cones at each nozzle tip exit which are drawn down into separate glass filaments, and wherein cooling fins are individually disposed between adjacent nozzle tip rows to cool the molten glass cones, the improvements characterised by: (a) increasing the diameter of each flow hole to such an extent that the molten glass flow rate exceeds 0.5 grams per minute per nozzle tip while maintaining a sufficient spacing between adjacent nozzle tip peripheries to prevent the molten glass from flowing into the upwardly extending recesses therebetween, and (b) blowing a flow of cooling air across the nozzle tips in a direction parallel to the cooling fins at least during the intitial start-up period of the filament draw forming operation. forming operation.

CLASS 40C. Int. Cl.-B01d 17/04.

145994.

APPARATUS FOR THE MECHANICAL SEPARATION OF OIL WATER EMULSIONS AND THE RECOVERY OF THEIR CONSTITUENTS.

Applicant: HAJTOMUVEK ES FESTOBERENDEZE-SEK GYARA, OF FEHERVARI UT 98, BUDAPEST XI, HUNGARY.

Inventors: DAVID SEGESDI AND ISTVAN LOCSEI. Application No. 441/Cal/77 filed September 24, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 6 Claims.

Apparatus for continuously mechanically separating oil-Apparatus for continuously mechanically separating oil-water emulsions formed in industrial degreasing plants and for recovering their constituent parts, comprising a collect-ing/storage tank for containing the emulsion and connect-ed to a macrofilter unit, an aftersedimentation tank, a mechanical separation column the lower part of which is formed as a hydrocyclone provided with tangentially arrang-ed inlet apertures and a discharge pipe while its upper part is connected to the said after-sedimentation tank, the macrofilter unit being by-passably connected in a recircula-tion ducting that is connected between the said discharge pipe and the said inlet apertures of the hydrocycline, the pipe and the said inlet apertures of the hydrocycline, the collecting/storage tank being connected to the recirculation ducting by way of a circulation pump and a valve.

CLASS 82. Int. Cl.-A01k 61/00, 63/00.

145995.

APPARATUS FOR THE BREEDING OF AQUATIC ANIMALS.

Applicant: LINDE AKTIENGESELLSCHAFT, ABRAHAM-LINCOLN-STR. 21, D6200 WIESB FEDERAL REPUBLIC OF GERMANY. WIESÉADEN,

Inventors: DR. MICHAEL BERGER, HANS JURGEN MOELLER AND DR. JURGEN FLUCHTER.

Application No. 1565/Cal/77 filed November 1, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 9 Claims.

Apparatus for breeding aquatic animals in a controlled environment, comprising a container of rotational symmetry, fresh water feed means arranged within the upper range of the container so as to feed water in a direction tangential to the inner wall of the container and to maintain a helical downwards flow of water within the container, and a water drain connected to the bottom of the container. CLASS 32F<sub>1</sub>c. Int. Cl.-C07c 157/02.

145996.

A PROCESS FOR THE PRODUCTION OF ETHY-LENE THIOUREA.

Applicant: BAYER AKTIENGESELLSCHAFT, OF 5090 LEVERKUSEN, BAYERWERK, WEST GERMANY.

Inventors: GUNTHER CRAMM AND CARL-DIETER BARNIKEL.

Application No. 460/Del/77 filed December 15, 1977. Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

## 4 Claims. No drawings.

A process for the production of ethylene thiourea by reacting ethylene diamine with carbon disulphide in inert solvents, wherein carbon disulphide is added to the reaction solution until the pH of the solution has reached a value of 7 to 7.5.

CLASS 40F. Int. Cl.-B65g 53/34.

145997.

## A FLUIDIZED BED.

Applicant: BHARAT HEAVY ELECTRICALS LTD., 18-20, KASTURBA GANDHI MARG, NEW DELHI-110001. INDIA.

Inventors: BHUPINDER SINGH GILL, KARUKKAM-DALAYAM MUTHUSAMI SELLAKUMAR AND SUN-DARESAN CHANDRASEKARN,

Application No. 128/Del/77 filed June 7, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

## 4 Claims.

A fluidized bed comprising a chamber with a distribution plate disposed therein, means for passing an air stream through said plate, said chamber comprising of a plurality of compartments with a partition wall provided between adjacent compartments, at least one opening provided in each of said walls and such as to allow a flow of a charge from one compartment to an adjacent compartment during a fluidized status of the bed.

CLASS 40F. Int. Cl.-B01j 7/02.

145998.

AN APPARATUS FOR THE RAPID GRADING OF CALCIUM CARBIDE BY DETERMINATION OF YIELD OF ACETYLENE THEREFROM.

Applicant & Inventor: SUBBUSWAMI SARMA SIVA-SWAMI, HAGARI (R.S.) POST OFFICE, BELLARY-583138, STATE OF ANDHRA PRADESH, INDIA.

Application No. 215/Mas/76 filed November 15, 1976. Complete Specification left October 5, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

## 8 Claims.

An apparatus for the rapid grading of calcium carbide by determining the acetylene yield therefrom, comprising a reaction vessel, a separating funnel connected to the said reaction vessel in an air-tight manner, a detachable con-tainer for placing the calcium carbide to be graded, a buffer tank being connected to the said reaction vessel and a manometer connected to the said buffer tank.

CLASS 27-I. Int. Cl.-E04c 1/12.

145999.

## BUILDING MODULE.

Applicant: GEORIGHT INDUSTRIES, INC., OF P.O. BOX 1237, ST. JAMES PARK STATION, SAN JOSE, CALIFORNIA 94108, UNITED STATES OF AMERICA.

Inventor: DONALD S. LUBOV.

Application No. 960/Cal/76 filed June 2, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 19 Claims.

A building module for a building on a support having a preselected maximum height above the support, said module comprising a first plurality of substantially identical right isosceles triangular first members, each member having two side edges of a length substantially equal to said maximum height and a base edge resting on said support, said base edges collectively defining an enclosed area, each member sloping upwardly and outwardly and having base vertexes at each end of said base edge for joining the respective base vertexes of the adjacent member, the vertex opposite said base edge of each of said members providing roof support points; and a second plurality of isosceles triangular second members, each second member having two side edges whose length is substantially equal to said maximum height and a base edge, said second members being joined to each other along their side edges with all vertexes opposite said base edges at a common point to form a roof, corresponding vertexes of said second members resting for support on respective ones of said support points, and said common point forming the roof apex having a height above said support which is substantially equal to said maximum height.

CLASS 29A & 67C. 146000.

CLASS 29A & 67C. Int. Cl.-G06f 9/00.

146000.

IMPROVEMENTS IN OR RELATING TO DATA PROCESSING SYSTEMS.

Applicant: INTERNATIONAL COMPUTERS LIMIT-ED, OF ICL HOUSE, PUTNEY, LONDON S.W. 15, ENGLAND.

Inventors: JOAN LENNON, BRIAN JOHAN PROCER AND DAVID JOHN WARNER.

Application No. 1054/Col/76 filed June 16, 1976.

Convention date July 2, 1975/(27875/75) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 6 Claims.

A data processing system comprising processing circuits and a plurality of internal registers wherein at least some of the internal registers are provided by shift register components individually connected to the processing circuits and also connected together in series to form a loop, and there is provided means for applying shift signals to the components so as to cause the date contents of the components to be rotated round the loop through a test position where the contents can be inspected or altered before being returned to their original positions, the loop having a by-pass route for selectively by-passing the test position.

CLASS 163Ba. Int. Cl.-F01c 1/00.

IMPROVED ROTARY MACHINE WITH M FOR CONTROLLING THE MOVEMENT OF ROTOR IN ITS ORBITAL MOTTION, MEANS

Applicant & Inventor: JOHN PATRICK ETTRIDGE. OF 14 SOMERS STREET, NORTH BRIGHTON, STATE OF SOUTH AUSTRALIA, COMMONWEALTH OF AUSTRALIA.

Application No. 1941/Cal/76 filed October 26, 1976.

Convention' date November 4, 1975/(PC3835/75 & PC-4363/75) AUSTRALIA.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 11 Claims.

A rotary machine provided with means for controlling the movement of the rotor in its orbital motion including a housing, a chamber within the housing, a shaft concentric with the chamber and having eccentrically mounted thereon a rotor, a plurality of vanes dividing the space between the rotor and inner wall of the chamber into working chambers and valve means to control flow of fluid through said working chambers, characterised in that there are a plurality of lobes situated in recesses formed in the said housing, said lobes being formed on a porting control plate attached to the rotor to guide said rotor.

CLASS 152E fnt Cl.-C09k 3/00. 146002

COLOR-STABILIZED HALOBISPHENOL-ETHYLENF POLYCARBONATES.

Applicant: GENERAL PLECTRIC COMPANY, OF I RIVER ROAD. SCHENECTADY 5, NEW YORK, UNIT-ED STATES OF AMERICA.

Inventors: ARNOLD FACTOR AND KEITH NORMAN SANNES

Application No. 284/Cal/77 filed February 28, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 9 Claims.

A thermally stable, color-stabilized halobisphenol-ethylene polycarbonate composition comprising :

(I) a polycarbonate containing 1-100 parts by weight of halobis (phenyl) ethylene carbonate units of formula II.

$$\begin{pmatrix} (R)_{4} & (R)_{4} \\ \vdots & \vdots & \vdots \\ (R)_{4} & \vdots \\ (R)_{4}$$

wherein independently each R is hydrogen, chlorine, bromine or a C<sub>1780</sub> monovalent hydrocarbon or hydrocarbonoxy group, each Y is hydrogen, chlorine, or bromine subject to the proviso that at least one Y is chlorine or bromine, and m is an integer of at least 2 and 99-0 parts by weight of arene carbonate units of formula III.

$$\left[ \begin{array}{c}
\left[ (x)_{e} \right] \\
\left[$$

wherein R is an alkylene, alkylidene, cycloalkylene, cycloalkylidene or arylene linkage or a mixture thereof, a linkage selected from the group consisting of ether, carbonyl, amine, a sulfur of phosphorus containing linkage. Ar and Ar' are arene radicals, Y is a substituent selected from the group consisting of hydrogen, and organic, inorganic and organometallic radicals, X is hydrogen or a monovalent hydrocarbon group selected from the class consisting of alkyl, aryl and cycloalkyl and mixtures thereof, a halogen, an ether group of the formula—CE, wherein E is a monovalent hydrocarbon radical similar to X, a monovalent hydrocarbon group of the type represented by R, d and e represent the number of replaceable hydrogen in the Ar. Ar' and R, radicals to which Y and X, respectively, are attached, a, b and c represent whole numbers, provided that a or c but not both may be 0, when b is 0, and wherein n integer of at least 2, and (II) 0.010 to 5.0 parts of a stabilizer comprising an organic phosphite or combinations of phosphites and epoxides per 100 parts of said polycarbonate.

CLASS 55E., Int. Cl.-A61k 27/10. 146003

A PROCESS FOR THE PRODUCTION OF A COMPOSITION COMPRISING A STABLE NEUTRAL SOLUTION OF 7-(2-HYDROXYPROPYL) THEOPHYLLING AND 7-(2. 3-DIHYDROXY PROPYL) THEOPHYLLING IN WATER.

Applicant: DR. ADOLF SEEBACH AG, OF HOFWIE-SENTRASSE 3. ZURICH. SWITZELAND.

Inventor : DR. ADOLF SEEBACH.

Application No. 486/Cal/77 filed March 30, 1977.

Appropriate office for opposition Proceedings (Rule 4. Patents Rules, 1972) Patent Office, Calcutta.

## 2 Claims. No drawings.

A process of producing a composition comprising a stable solution of the ophylline at a pH between 7 and 7.4 consisting essentially of adding pure the phylline to a neutral aqueous solution of a 7 hydroxyth ophylline, as for example 7-(2-hydroxypropyl)- the ophylline and 7-(2, 3-di hydroxypropyl)-the ophylline, the proportion of the ophylline being from 22.5 to 27.5 weight percent and of the 7-hydroxytheophylline from 72.5 to 77.5 weight percent, both with reference to the total amount of the ophylline and the 7-hydroxytheophylline.

CLASS 32E & 104J & O. Int. Cl.-C08f 3/18, 7/04, 19/08, 33/02 146004.

A PROCESS FOR THE MANUFACTURE OF ACRYLO NITRILE BUTADIENE-STYRENE COPOLYMER.

Applicant: COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA.

Inventors: DAYA SHANKAR WADHWA, VIMALA RAMACHANDRAN, SANKARA RADHAKRISHNAN NAIR AND RAMAKRISHNA THRIVIKRAMAN THAMPY

Application No. 85/Del/77 filed April 30, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

## 7 Claims. No drawings.

A process for the manufacture of Acrylonitrile Butadiene-Styrene copolymer by grafting polybutadiene with vinyl and acrylic monomers characterised in that the grafting is done in suspension using a mixture of polyvinyl alcohol and hydroxy propyl methyl cellulose in the range of 0.1 to 1.0% as a suspending agent in presence of a free radical catalyst such as benzoyl peroxide or lauroyl peroxide.

CLASS 69D. Int. Cl.-H04b 7/14, H01h 75/00. 146005.

## ELECTRICAL DEVICE.

Applicant: WESTINGHOUSE ELECTRIC CORPORATION, OF WESTINGHOUSE BUILDING, GATEWAY CENTRE, PITSBURGH, PENNSYLVANIA 15222, UNIT ED STATES OF AMERICA.

Inventor: SHAN CHYI SUN.

Application No. 2125/Cal/75 filed November 6, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 29 Claims.

An electrical device comprising: a first transformer, said transformer including an input winding adapted to be energized from an alternating current network and output winding means providing a first and second electrical current, an energy storage device energized by said first electrical current, said second electrical current having a magnitude determined by the magnitude of an electrical current in said alternating current network, and control means for controlling the supply of said first and second electrical currents by said output winding means such that said first and second electrical currents are sequentially conducted through said output winding means during a half cycle of the alternating current of the net-work, to replenish the energy dissipated from said energy storage device in the preceding half cycle and to provide a replica of the current in the alternating current network, said control means comprising a first and second switching means, said first switching means being carable of initiating the cutting off of the first electrical current of said output winding means by the conduction of said second electrical current of said output winding means being capable of cutting off the second electrical current of said output winding means at the end of each half cycle of the alternating current. The flow of the first electrical current of said output winding means at the end of each half cycle of the alternating current. The flow of the first electrical current of said output winding means at the end of each half cycle of the alternating current, said first switching means comprising semi-conductive regulating means, a resistor and of least one switch device, said semiconductive regulating

means being connected to electrically shunt said energy storage device for limiting the voltage magnitude across said storage device to substantially a predetermined maximum value and for enregizing said switch device when said predetermined maximum voltage magnitude across said storage device is reached, said switch device having energized and deencrgized states and being connected so that the second electrical current commences to flow through said output winding means and the first electrical current of said output winding means is cut off at the time when said switch device is initially energized.

CLASS 129G. Int. Cl.-B23d 19/00. 146006.

DRILL BIT.

Applicant: REED TOOL COMPANY, OF P.O. BOX 2119, HOUSTON, TEXAS 77001, UNITED STATES OF AMERICA.

Inventor: HENRY WALLACE MURDOCH. Application No. 1318/Cal/76 filed July 23, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 11 Claims.

A drill bit, comprising a body having a journal extending therefrom, a roller cutter, bearing means for rotatively mounting said roller cutter on said journal, at least part of said bearing means including a hard tough metal sleeve having a Rockwell C hardness of at least 35 positioned around said journal within said roller cutter, and a metal coating on said sleeve having lubricating properties positioned between said sleeve and said journal and between said sleeve and said roller cutter, said metal coating imparting sufficient lubricity to said sleeve to prevent galling of said roller cutter and said journal.

CLASS 129G & M. Int Cl.-B22d 11/12, B23k 7/00, 15/00. 146007.

TORCH AND CUTOFF TABLE ARRANGEMENT.

Applicant: USS ENGINEERS AND CONSULTANTS, INC.. OF 600 GRANT STREET, PITTSBURGH, STATE OF PENNSYLVANIA, UNITED STATES OF AMERICA.

Inventor: ALFRED JOSEPH CAPRIOTTI.

Application No. 1368/Cal/76 filed July 31, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 5 Claims.

A torch and cutting table assembly having means for advancing a workpiece along the table and a cutting torch which is movable in the direction of and at the same speed as the advancing workpiece and also in a perpendicular direction across the advancing workpiece, the speeds of the cutting torch in the two directions being limited between respective minimum and maximum speeds, the table having a void which extends obliquely across the table and which is bounded by edges which lie outside two oblique lines defined respectively by the locus of the cutting torch when the speed of workpiece advance is at its minimum and the speed of the cutting torch across the workpiecs is at its maximum, and the locus of the cutting torch when the speed of workpiece advance is at its maximum and the speed of the cutting torch across the workpiece is at its minimum.

CLASS 98-I. 146008. Int. Cl.-F24j 3/02, F26b 3/28, 19/00.

A PROCESS FOR PREPARING THE SELECTIVE ABSORPTION SURFACE OF A SOLAR COLLECTOR AND A SOLAR COLLECTOR COMPRISING SUCH SELECTIVE ABSORPTION SURFACE.

Applicant: YAZAKI SOGYO KABUSHIKI KAISHA. CF 3-8-4, NISHISHINBASHI, MINATO-KU, TOKYO, JAPAN.

Inventors: TOSHIHIRO ISHIBASHI, KINYA HORIBE, MASAHARU ISHIDA AND YOUZI SANO.

Application No. 1552/Cal/76 filed August 24, 1976.

Appropriate office for opposition Proceedings (Rule 4. Patents Rules, 1972) Patent Office, Calcutta.

#### 24 Claims.

A process for preparing the selective absorption surface of a solar collector, the surface having an oxidic coating formed from a metal composition made up of:

- (a) 0.001-0.15 wt. % C
- (b) 0.005-3.00 wt % Si
- (c) 0.005-10.00 wt % Mn
- (d) 11.00-30.00 wt % Cr
- (e) 0.005-22.00 wt % Ni, and
- (f) Balance Fe.

comprising chemically oxidizing the metal composition in a bath at a temperature of 50°C to 150°C for a dipping time of 3 to 50 minutes to form the oxide film.

CLASS 129J.

146009.

Int. Cl.-B21b 37/08, 37/12.

EQUALISING ROLLING MILL.

Applicant: CARL WEZEL, OF INDUSTRIES STRASSE 95, D-7130 MUHLACKER, WEST GERMANY.

Inventor: HANS-JORG BAUDER.

Application No. 1766/Cal/76 filed September 25, 1976.

Convention date September 9, 1976/(37435/76) U.K.

Appropriate office for opposition Proceedings (Rule 4 Patents Rules, 1972) Patent Office, Calcutta,

#### 4 Claims.

An equalising rolling mill in which roll journals are prestrassed in a plane normal to the roll axis and in a direction directed on to seized rolled stock, which direction deviates from the vertical by a rolling angle  $\infty$ .

CLASS 70C<sub>1</sub> & 103. Int. Cl.-C23b 5/00.

146010.

PROCESS FOR DEPOSITING PROTECTIVE COATINGS.

Applicant: WARNER-LONDON, INC.. OF 2627 GRIM-SLEY STREET. GREENSBOPO. NORTH CAPOLINA, UNITED STATES OF AMERICA, INCORPORATED UNDER THE LAWS OF THE STATE OF SOUTH CARO-LINA, UNITED STATES OF AMERICA.

Inventors: JOSHUA BARCLAY WARNER NAD JAMES STEPHEN WOLF.

Application No. 187/Cal/77 filed February 9, 1977.

Convention date October 8, 1976/(263054/76) CANADA.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 31 Claims.

A process for depositing upon a relatively low wear-resistant base metal a refractory metal comprising providing an electrolyte material canable of dissociation into ions, and having a conductance ratio of between 0.13 and 0.93 calculated at a 0.1 normal solution, providing a particulate refractory metal to be deposited within the near-curface region of said base material, said refractory metal having a melting point of at least 1490°C, admixing 99 to 50% by weight of said refractory metal and 1 to 50% by weight of said refractory metal and 1 to 50% by weight of said refractory metal and 1 to 50% by weight of said electrolyte for 30 minutes to 30 days to form a nascent surface on at least a portion of each said refractory metal narticles to be deposited and at least nortially surrounding said refractory metal refractory metal refractory metal refractory metal refractory metal refractory of said electrolyte with said electrolyte of less than about 1600hm-centimeters of said admixture, forming a refractory metal ion concentration of 1-60,000 mg, refriter of solution as hereinbefore described, contacting and at least partially conting the surface of said base material with said refractory metal in particulate form and said electrolyte admixture, reacting said admixture with said least partially at temperatures between 0°C and 200°C, and desposition said refractory metal within the near-surface region of said base material in the form of discrete narticles, whereby to provide a protective surface for said base material.

CLASS 42A<sub>1</sub>. Int. Cl.-B65b 19/26. 146011.

IMPROVED DEVICE FOR FOLDING THE HEAD PORTIONS OF INNER WRAPPERS IN A MACHINE FOR PACKETING CIGARETTES INTO HINGED-LID TYPE PACKETS.

Applicant: G.D. SOCIETA PER AZIONI-A, BOLOGNA VIA POMPONIA, 10-IN BOLOGNA, ITALY.

Inventor: SFRAGNOLI FNZO,

Application No. 341/Cal/77 filed March 8, 1977,

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 4 Claims.

Improved device for folding the head portion of inner wrappers in a machine for packeting cigarettes into hinged-lid type packets, said machine substantially comprising: a plurality of stations for folding the wrapping material, each station having a radially compartmented wheel for housing individual cigarette batches to be wrapped; stationary and movable folding means for folding said wrapping material about said cigarette batches; transfer means for subsequently transferring said cigarette batches; transfer means for subsequently transferring said cigarette batches and related wrapping material from one wheel to the next one; and a driving material from one wheel to the next one; and a driving material from one wheel to the next one; and including a continuously rotating shaft, a driving means for said movable folding means, and a driving means for said transfer means, to the continuously rotating shaft of at least one of said stepwise devices being associated a pair of said movable folding means, each pair being formed by two folding blades positioned on the opposite sides of said wheel in a station wherein successive compartments are brought to dwell, said blades being associated to an oscillatable shaft oscillated by a kinematic mechanism linked to a driving cam keyed on said continuously rotating shaft, characterised in that the driving cam (10) for driving the folding blades (40, 41) positioned downstream relative to the rotating direction of the related wheel (15) is associated to the corresponding driving kinematic mechanism through a member (44) pivoted oscillatable about a stationary pivot point (45) and provided in correspondence of points positioned in an arm lever fashion relative to said pivot point (45) of a cam-follower (46) cooperating with the same driving cam (10) and of a toothing engaging a corresponding toothing (43) of said oscillatable shaft (42), the operating profile of said cam (10) being adapted to drive the associated folding blades (40, 41) to carry out, in the order, a first osc

CLASS 17F & 32C & F.c. Int. Cl.-C12b 1/08, C12d 13/00.

146012.

IMPROVEMENT IN A METHOD OF PREPARING A NITROGEN CONTAINING POLYSACCHARIDE.

Applicant: KUREHA KAGAKU KOGYO KABUSHIKI KAISHA. NO. 8. HORIDOME-CHO 1-CHOME, NIHON-BASHI, CHUO-KU, TOKYO, IAPAN.

Inventors: CHIKAO YOSHIKUMI, (2) TOSHIHIKO WADA, (3) HIROMITSU MAKITA, (4) KINZABURO SUZUKI, (5) AZUMA OHKUBO, (6) TAKIJI NAKANOYA, (7) KATSUNORI MIURA AND TADAO SAGI.

Application No. 1143/Cal/77 filed July 26, 1977.

Appropriate office for opposition Proceedings (Rule 4. Patents Rules, 1972) Patent Office, Calcutta.

## 6 Claims. No drawings.

In a method of preparing a nitrogen-containing polysaccharide having an anti-tumor activity by cultivating a fungus belonging to the genus Coriolus from the family Polynorotion by submerged culture and using an aqueous liquid culture medium such as herein described which is destined to cene of the class Basidiomycetes under aeration and/or agita-2—447GI/78 produce vigorous foaming during cultivation at a temperature of  $25\pm2^{\circ}\mathrm{C}$ , then extracting the mycelia of said cultivated fungus with water, an aqueous solution of a base and purifying the extractant, the improvements comprising: adjusting the initial charge of said culture medium such that it be less than 70% of the available inner volume of the fermenter used; and as the foaming in said culture medium decreases additionally supplying to said fermenter remaining of more than 30% of available volume of said culture medium or at least one of the nutrient components of said medium to obtain a larger amount of said mycelia and as a result to prepare a larger amount of said mitrogen-containing polysaccharide in one run of said cultivation in a limited capacity of said fermenter.

CLASS 70B & C. Int. Cl.-B01k 3/02.

146013 .

THE PREPARATION OF LEAD DIOXIDE ELECTRODE FOR RESERVE BATTERIES.

Applicant: THE CHIEF CONTROLLER RESEARCH & DEVELOPMENT, MINISTRY OF DEFENCE, GOVERNMENT OF INDIA, NEW DELHI, INDIA.

Inventors: SHRI BEVARA MADHUSUDANA RAO, SUBRAMANIAN MAHADEVAN AND SUNDERESAN SUBRAMANIAN.

Application No. 14/Del/76 filed October 23, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office, Delhi Branch.

## 12 Claims. No drawings.

An improved process for the preparation of lead-dioxide deposited mild steel electrode employing lead-nitrate and lead-acetate baths for use as positives in reserve batteries, wherein the improvement consists in first anodising the mild steel substrate by first pretreating the substrate in a potassium dichromate bath, followed by treatment in a sodium hydroxide bath, thereafter electro-depositing a layer of tetrogonal lead-dioxide from a nitrate bath having principally lead-nitrate, subjecting the so deposited layer to an acid etching operation and finally electro-depositing thereon a layer of orthorhombic lead-dioxide from an acetate bath having principally lead-acetate.

CLASS 14C. Int. Cl.-H01m 1/02. 146014.

EXPLOSION-PROOF GANG VENT FOR CLOSING THE CELL OPENING OF  $\Lambda$  STORAGE BATTERY.

Applicant: GOULD INC., OF 10 GOULD CENTER ROILING MEADOWS, ILLINOIS 60008, UNITED STATES OF AMERICA.

Inventor: DUANE D. HAKARINE.

Application No. 250/Cal/76 filed February 11, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 19 Claims.

An explosion-proof gang vent for closing the cell opening of a storage battery comprising two or more vent barrels or tubular bodies releasably mounted in depending fashion to a common top frame plate, each of said tubular body or vent barrel being molded of plastic for scaling engagement in said cell opening, said tubular body having a compartment with an aperture theren to permit gas from within said battery cell to flow into said compartment, a disc made of porous material interposed between an upper end of said tubular body and said top frame plate for covering the upper end of said tubular body compartment, and means for maintaining a spatial separation of less than .015 inches between said top frame plate and at least a portion of said disc for allowing gases within said compartment to readily escape through said disc while retarding the entrance of a flame into the space between said frame plate and disc.

CLASS 145C & 155D, Int. Cl.-B29j 5/02.

146015

IMPROVEMENTS IN OR RELATING TO COMPOSITE BOARDS FROM RICE HUSK AND COMPOSITE BOARD OBTAINED BY SAID PROCESS.

Applicant: INDIAN PLYWOOD INDUSTRIES RESFARCH INSTITUTE, TUMKUR ROAD, BANGALORE-560022, KARNATAKA, INDIA,

Inventors: DR. JOSEPH GEORGE, SHRI SHANKARYYA SHIVASANGAYYA ZOOLAGUD, DR. GERAI D DEVASAGAYAM SURENDER, TERAKANAMBI RAJA GOPALIYFNGAR NARAYANA PRASAD, TERAKANAMBI SHAMANNA RANGARAJU AND KOONAPRA KUMMANCHERI MOHANDAS.

Application No. 164/Mas/76 filed August 30, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office, Madras Branch.

## 12 Claims.

Process for making improved composite boards from rice husk characterised in coating and admixing the raw rice husk with a water dispersible resin wherein the said resin is prepared by the method comprising condensation of phenol; cardanol and/or CNSL with an aldehyde in the presence of of an alkaline catalyst wherein the improvement comprises in the one step condensation of the following ingredients in the proportion as set forth herein :

- (i) Cardanol and/or cashewnut shell liquid 25 to 66% by weight.
- (ii) Phenol 34-75% by weight.
- (iii) Formaldehyde 1-5 to 2 mol (formalin) on cardanol and phenol used as above and
- (iv) Alkaline catalyst 5% by weight of cardanol and phenol used above, spreading thus coated and admixed rice husk into a mat of desired thiskness and sub-jecting the same to hot pressing at 160°C-220°C.

CLASS 66C. Int, Cl.-F211 13/06. 146016.

DYANAMO OPERATED TORCH LIGHT.

Applicant & Inventor: SRINIVASA NATARAJAN, COLLEGE OF ENGINEERING, GUINDY, MADRAS-25, TAMIL NADU, INDIA.

Application No. 181/Mas/76 filed September 13, 1976. Complete Specification left June 18, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

## Claim.

A dynamo operated torch light comprising of an outer casing, a key head with a spring assembly mounted on a first shaft, a first large gear wheel mounted on the said first shaft, the said first large gear wheel mounted on the said first shaft, the said first large gear wheel meshing with a first small gear wheel mounted on a second shaft which carries a second large gear wheel and a governor, the said second large gear wheel meshing with a second small gear wheel mounted on third shaft carrying a dynamo, the said dynamo being connected to the bulb by means of connecting wires and a lever switch attached to the said first large gear wheel wheel, the arrangement being such that when the key head is wound up and the lever switch is locked, the energy is stored in the spring and when the said lever is released the unwinding of the spring rotates the set of gear wheels so as to rotate the dynamo rotor and light the bulb.

CLASS 24D, & E. Int. Cl.-B60t 13/26.

146017.

A VFHICLE BRAKING SYSTEM.

Applicant: SUNDARAM--CLAYTON LIMITED, OF PADI, MADRAS-600 050, TAMIL NADU, INDIA.

Inventor: KRISHNASWAMY NARASIMHAN.

Application No. 257/Mas/76 filed December 14, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

## 10 Claims.

A vehicle braking system comprising a source of pressuri-sed air; pneumatic spring-loaded braking means, in which air from the source is normally receivable and wherein the air-pressure and spring-pressure act oppositely so as to normally de-activate the pneumatic spring-loaded braking means under resultant air-pressure, but activate them under resultant spring pressure whenever the pictures were falls resultant spring pressure whenever the air-pressure falls

below a predetermined value; means for deactivating the pneumatic spring-loaded braking means, when once activated, on the air-pressure falling below the predetermined value; and a first manually operable valve member for cutting oil supply of air, when required, from the source to the pneumatic spring-loaded braking means and simultaneously releasing air from the pneumatic spring-loaded braking means to atmosphere.

CLASS 76B, Int. Cl.-F16b 9/02.

146018.

CLAMP FOR PIPE, CABLE OR THE LIKE RUNNING MATERIAL.

Applicant: RATHI INDUSTRIAL EQUIPMENT CO. 1 TD., 27, SHANKAR SHET ROAD, POONA-411 009, MAHARASIITRA STATE, INDIA.

Inventor: CHAINSUKH SUBHACHAND GANDHI.

Application No. 309/Bom/76 filed September 8, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

#### 1 Claim.

Clamp for pipe, cable or the like running material comprises (i) a two component clamp assembly, each compoprises (i) a two component clamp assembly, each component of which having flat portion above with a hole, a bulge in the middle and lower portion again flat but having notch in the middle of the said flat portion; (ii) a supporting 'U' channel, free ends of which are again bent inwardly and downwardly such that there is left a space between the two bent portions, the said two components of the clamp are inserted through the gap left between the said 'U' channel, the said clamping components get engaged or meshed in the said 'U' channel and a pipe or cable is held between the bulge of the said clamp assembly and secured by passing the bulge of the said clamp assembly and secured by passing a bolt through holes provided in the upper flat portion of the said clamping components.

CLASS 21A & 136F. Int. Cl.-B29c 1/00, B29h 3/042.

146019.

IMPROVEMENT IN OR RELATING TO MOULDS FOR MAKING FOOT WEAR.

Applicant & Inventor: LAKSHMINARAYAN RAMANI, AT 2, GOKHALE ROAD, MADURAI 2, TAMIL NADU, INDIA.

Application No. 268/Mas/76 filed December 27, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

## 1 Claim.

A mould for moulding rubber or plastic slab for making footwear comprising of a plate of metal of uniform or varying thickness wherein a plurality of cavities of the shape of footwear are cut out, the sides of the cavities tapering from the front to the rear edge of the plate, the four corners of the cavities being rounded off and each cavity being provided with two protrusions, one of which is located at the middle portion of the front edge and the other at the middle portion of the edge.

CLASS 128G & H. Int. Cl.-A61b 10/00, 17/42.

146020.

INTER-CERVICAL CONTRACEPTIVE DEVICE.

Applicant & Inventor: BEHZAD DARAN SHROFF, ALLI MANZIL, TURNER RD., BANDRA, BOMBAY-50, MAHARASHTRA, INDIA.

Application No. 4/Bom/77 filed January 4, 1977.

Convention date June 1, 1976/(PC 6132/76) AUSTRA-LlA.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

## 4 Claims.

An inter cervical contraceptive device comprising a tubular member open at each end and adapted to be positioned in the cergical canal and having a valve member or members incorporated therein which allow body fluids to pass from the uterine cavity into the vagina but not in the reverse direction and as substantially as herein described and as shown in Fig. 1.

CLASS 67C & 68D. Int. Cl.-H01h 83/08. 146021.

A DEVICE FOR ENSURING CORRECT POLARITY CONNECTION BETWEEN A DIRECT CURRENT SOURCE AND A LOAD.

Applicant & Inventor: THONSE KHANDIGE RAMA-KRISHNA RAO, OF 9A, EAST ARASAMARAM STREET, AMINJIKARAI, MADRAS-600 029, TAMIL NADU, INDIA.

Application No. 24/Mas/77 filed January 24, 1977.

Complete Specification left January 24, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

#### 2 Claims

A device for ensuring correct polarity connection between a direct current source and a load consisting of a circuit comprising the said source, at least four diodes and a polarity-sensitive load, characterised in that the said circuit further comprises at least two power lines, one pair of ends of which is connected to the said source and the other pair of ends of which short-circuits the cathode-anode of the first and fourth diodes and the cathode-anode of the second and third diodes; at least two load lines, one pair of ends of which is connected to the said load and the other pair of ends of which short-circuits the anodes of the first and second diodes and the cathodes of the third and fourth diodes.

CLASS 32G. Int. Cl.-C07c 175/00.

146022.

A METHOD OF PREPARING VITAMIN A DERIVATIVES.

Applicant: INDIAN INSTITUTE OF SCIENCE, BANGALORE, MALLESWARAM, BANGALORE-560 012, KARNATAKA STATE, INDIA.

Inventor: MANGALORE VIVEKANANDA BHATT.

Application No. 92/Mas/77 filed May 23, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

## 8 Claims.

A process for the preparation of Vitamin A derivatives of formula V.

wherein R is CN, COOEt, COOMe, CH2OAc, CH (OEt)2,

comprising condensing a cyclogeranylmethylene derivative of formula  ${\bf IV}.$ 

or its analogue with 3, 7-dimethyl-8-oxo-2, 4, 6-octa trene derivative of formula III.

wherein R is CN, COOMe, COOEt, CH<sub>2</sub>OAc, CH(OEt)<sub>2</sub>,

characterised in that the said compound of formula III is prepared from the citral derivative of formula I.



wherein R is as defined above by oxidising the same with  $SeO_2$  and treating the resultant aldehyde of formula II.

with N-bromo-succinimide or its analogue, followed by subsequent dehydrobromination by known methods as herein described.

CLASS 172D<sub>3</sub>. Int. Cl.-D01h 7/04. 146023.

A SPINNING RING TUBE FOR MOUNTING ON A SPINDLE OF A RING SPINNING FRAME.

Applicant & Inventor: RAMAKRISHNAN JAYAKUMAR, OF PREMIER TEXTILE PRODUCTS, 4/124-A BHARA-THIPURAM, AMMANKULAM ROAD, COIMBATORE-641037, TAMIL NADU, INDIA AND VENKETASWAMY CHINNASWAMY, OF PREMIER PLASTICS, 5/5, HEAD QUARTERS ROAD, COIMBATORE 641018, TAMIL NADU, INDIA.

Application No. 127/Mas/77 filed July 28, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

## 2 Claims.

A spinning ring tube for mounting on a spindle of a ring spinning frame characterised in that the internal periphery of the said tube at the region corresponding to the pebs of the spindle is provided with at least one recess for receiving at least one peb and the sides of each recess have stepped configurations cooperating with the pebs for importing a positive drive between the said tube and the spindle and for permitting or preventing relative rotational movement between the said tube and the spindle.

 $\begin{array}{lll} CLASS & 120B_u. \\ Int. & CL-F16n & 13/00, & 23/00. \end{array}$ 

146024.

A LUBRICATING FLOAT ARRANGEMENT FOR 90° SWIVELLING HEADS.

Applicant & Inventor: RAGHBIR SINGH BIR, INDIAN DESIGN CENTRE PVT. LTD., 1B PEENYA, INDUSTRIAL AREA, BANGALORE-560 057, KARNATAKA, INDIA.

Application No. 142/Mas/77 filed August 29, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

## 1 Claim.

A lubricating flont arrangement for 90° swivelling heads consisting of a double ended pipe with taper ends and balls at either ends and having a suction pipe attached to the said pipe in the centre, the ends of the double ended pipe being covered with caps and have opening to let oil into the pipe, the end caps also having obstruction such that the ball does not roll in front of the opening and thus get pushed by the oil flow, when the float is in vertical position.

CLASS 32E, Int. Cl.-C08g 5/12, 146025.

AN IMPROVED PROCESS FOR THE PREPARATION OF WATER DISPERSIBLE RESINS.

Applicant: INDIAN PLYWOOD INDUSTRIES RESEARCH INSTITUTE, TUMKUR ROAD, BANGALORES60 022, KARNATAKA, INDIA.

Inventors: DR. JOSEPH GEORGE, SHRI SHANKARAYYA SHIIVASANGAYYA ZOOLAGUD, DR. GERALD DI VASAGAYAM SURENDER, TERAKANAMBI RAJAGOPALIYENGAR NARAYANA PRASAD AND TERAKANAMBI SHAMANNA RANGARAJU AND KOONAPRA KUMMANCHERI MOHANDAS.

Application No. 161/Mas/77 filed October 6, 1977.

Division of Application No. 164/Mas/76 filed August 30: 1976

Appropriate office for opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office, Madras Branch.

## 4 Claims. No drawings.

Improved process for the preparation of water dispersible resins useful for bonding lignocellulosic materials comprising condensation of phenol, cardanol and/or CNSI, with an aldehyde in the presence of an alkaline catalyst, wherein the improvement comprises in the one step condensation of the following ingredients in the proportion as set forth herein:

- (i) Cardanol and/or cashewnut shell liquid, 25 to 66% by weight;
- (ii) Phenol, 34°75% by weight;
- (iii) Formaldehyde, 1.5 to 2 mole (formalin) of cardanol and phenol used as above and
- (iv) Alkaline catalyst, 4-8% by weight of cardanol and phenol used as above.

CLASS 127A. Int. Cl.-F16d 3/00.

146026.

IMPROVEMENTS IN OR RELATING TO IORSION-ALLY ELASTIC DAMPING AND OR COUPLING MECHANISM FOR DAMPING ANGULAR OSCILLA-TIONS AND/OR FOR TRANSMITTING TORQUE.

Applicant & Inventor: DR, ING, LEONHARD CEISLINGER, HOFFLGASSE 26, SALZBURG, AUSTRIA.

Application No. 92/Cal/77 filed January 22, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 8 Claims.

A tortionally clastic damping and/or coupling mechanism for damping angular oscillations and/or for transmitting torque which comprises liquid-filled chambers between inner and outer members of the mechanism, characterised in that two secondary chambers are branded disposed radially inwardly of said liquid filled chambers and communicating through radial passages with the liquid-filled chambers, the invention being further provided with resilient means disposed in said secondary chambers whereby the liquid pressure in the liquid filled chambers acts on said resilient means at filled in secondary chambers.

CLASS 64B<sub>8</sub> & 69-0. Int. Cl.-H01r 31/06.

146027.

AN ELECTRICAL MULTIPLE SOCKET OR ADAPTOR.

Applicant & Inventor: NILKANTH SHRIDHAR SATHAYE, OF 17, CAMAC STREET, CALCUTTA-700 017.,
INDIA.

Application No. 1256/Cal/77 filed August 12, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 4 Claims.

A multiple socket or adaptor comprising a body having inlet contact means adapted to be in connection to a power source characterized in at least a first and second outlet being provided therewith a single switch selectively connected to any one of the said outlets at any one instance and such as to connect the electrical load of that outlet to said power source, said switch being a single pole two way switch, said first outlet has a first and second contact means, said second outlet has a first and second contact means and a first, second and third contact means being provided for said switch, said inlet contact means consisting of a first and second inlet terminals, one of said inlet terminals being connected to each of the first contact means of said first and second outlet, the second contact means of said first and second outlet being connected to the first and third contact means of said switch, said switch, said second contact means of said switch being connected to the other inlet terminal.

CLASS 27N. Int. Cl.-A45f 4/04, 4/06, A47b 43/04. 146028.

MUL-TI PURPOSE TENT WITH FOLDING BEDS/RACKS.

Applicant & Inventor : JOGINDER SINGH KANG, C/O M/S. KANG ENTERPRISES SIMLAPURI, LUDHIANA-3, INDJA.

Application No. 68/Del/77 filed April 4, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

#### 6 Claims.

A tent with collapsible beds/rack comprising a skeltan frame, of the tent having a central disc on which a plurality of hinges is provided, each hinge being connected to one end of a rib, the other end of each rib (2) connected through hinge means with one end of a short piece of tube (3), the other end of each said short tube having means connecting a collapsible bed/rack (2) frame said beds being mounted on said collapsible bed/rack frame (21) in one two or more tiers.

CLASS 123. Int. Cl.-C05g 1/06. 146029.

A SULPHATE-RECYCLE PROCESS FOR THE PRE-PARATION OF N-P FERTILIZERS FROM INDIAN ROCK PHOSPHATE,

Applicant: COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-1, INDIA.

Inventors: SHIVAJI RAMACHANDRA PADALKAR, CHETLUR SUNDARACHARI DORAI, JOSEPH LOBO AND VAIRELIL DAMODARAN.

Application No. 1463/Cal/76 filed August 11, 1976.

Complete Specification left April 5, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

## 13 Claims. No drawings.

A sulphate recycle process for the preparation of N-P fertilizers from India rock phosphate which comprises the reaction of the rock phosphate with a mixture of ammonium bisulphate and nitric acid to yield ammonium phosphate and nitrate in solution and calcium sulphate as a precipitate, filtering the same, the calcium sulphate being subsequently treated with ammonia and carbondioxide to obtain crystals which ed with ammonium and carbondioxide to obtain crystals of ammonium sulphate which is recycled in the process, the filtrate being evaporated and crystalised to obtain the fertilizer.

CLASS 32C. Int. CL-C07e 103/52. 146030.

PROCESS FOR THE PREPARATION OF NONAPEPTIDES.

Applicant: AMERICAN HOME PRODUCTS CORPORATION, OF 685, THIRD AVENUE, NEW YORK 10017, UNITED STATES OF AMERICA.

Inventors: THEODORE JOHN FOELL AND RICHARD WILHELM REES.

Application No. 1423/Cal/77 filed September 21, 1977.

Convention date October 1, 1976/(40738/76) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 8 Claims.

A process for preparing a compound of formula (I).

wherein X it D-Trp or D-2-(1, 4-cyclohexadinyl)Gly and Y is L-(N-methyl) Leu or L-(N-methyl) He, or a non toxic

acid addition salt thereof, which comprises deprotecting in known manner a corresponding compound of formula Ha.

No. 146030 (11 a)

## L-P-GIU-L-His (R)-L-Trp-L-Ser(R')-L-Tyb. (R2)-X-Y-L-Arg(R3)-L-Pro-NHC2H5

wherein X and Y are as defined above, R is hydrogen or a protecting group for the imino nitrogen of the histidyl moiety, R<sup>3</sup> is hydrogen or one or more protecting groups for the guanyl function of the arginyl moiety; and R<sup>1</sup> and R<sup>2</sup> are each hydrogen or a protecting group for the hydroxyl groups of serine and tyrosine, with the proviso that at least one of R, R<sup>3</sup>, R<sup>2</sup> and R<sup>3</sup> is other than hydrogen, and if

desired converting the product to a non-toxic acid addition salt thereof,

#### PATENTS SEALED

137577 143573 143604 143621 143624 143626 143631 143643 143655 143688 143689 143719 143750 143762 143782 144422

## COMMERCIAL WORKING OF PATENTED INVENTIONS LIST

The following patents in the field of General & Mechanical Engineering Industry are not being commercially worked in India as admitted by the Patentees in the statement filed by them under Section 146(2) of the Patents Act, 1970, in respect of Calender year 1977 generally on account of want of requests for licences to work the patented inventions. Persons who are interested to commercially work the said patents may contact the patentee for the grant of a licence for the purpose.

Sl. No.	Patent No.	Date of Pater	nt Name & Address of patents	Brief title of the inventions.
1	2	3	4	5
1.	132269	27-7-71	F.L. Smith & Co., A/s 77, Vigerslev Alle, Copenhagen-Valby, Denmark.	Rotary Kiln with cooler tubes
2.	132279	28-7-71	Girling Ltd, Kings Road, Tyselcy, Birmingham 11, Warwickshire, England	Servo motors
3.	132283	28-7-71	Burroughs Corpn, Second Avenue, of Burroughs, Detroit, Michigan 48232, U.S.A	A displey cevice
4.	132306	30-7-71	Girling Ltd, England	Disc brakes
5.	132383	5-8-71	Do.	Fluid pressure operated braking device
6.	132410	6-8-71	Parks Cramer Co, Box 444, h Fitchburg, Massachusetts, U.S.A.	Textile yarn forming machine dates communicating an apparatus
7.	132411	6-8-71	Do.	Yarns piecing apparatus
8.	132434	9-8-71	Ashworth Bros, P.O. Box 670, Fall River, Massachusetts 02722, USA.	Card clothing
9.	132494	13-8-71	Raymond Camus, 7 Avenue Foch, 75-Paris 16, France	A plant for manufacture of reinforced concrete construction panels
10.	132525	16-8-71	Sandvik Akiebolog, Sandviken, Sweden.	Insert for cutting of steel cast iron or similar material
11.	132556	18-8-71	Girling Ltd., England	Vehicle brakes
12.	132573	19-8-71	Do.	Load transmitting struts
13.	132577	19-8-71	Borgs Fabriks Akticbolag, P.O. Box 242,5-60 104, Norroping Sweden	Air craft arresting device
14.	132 <b>5</b> 88	20-8-71	Girling Ltd, Kings Road, Tyseley, Birmingham 11, England	Vehicle brakes
15.	132591	20-9-71	S.T.U.P. Procedes Freysinnet, 66, Route De La Reine, Boulogne, Billar court, Hauts De seine, France	Expansion joint
16.	132640	24-8-71	Sherritt Gordon Mines Ltd, 25 King Street, West Tornoto Ontario, Canada	Rotary joint
17.	132690	26-8-71	F.L. Smith & Co. A/s 77 Vigerslev, Alle, Copenhagen Valby, Deumark	Burning material in rotary kilns
18.	132737	1-9-71	Girling Ltd, England	Automatic adjuster
19.	132767	3-9-71	Vandervell Products Ltd, Norden, Road, Maiden head, Borkshire, England.	Flanged half bearings

1	2	3	4	5
20.	132817	5-6-72	Atul Amritlal Shah, Patel & Shah Bldg., Opp. Nagari Exc. Ellis Bridge. Ahmedabad 6, India	Hinges
21.	132835	8-9-71	Wieland Werks A.G. 7900 ULM, GFR	Forming screw shaped ribs on tubular work Piece
22.	132842	8-9-71	Scandia Packaging Machinery Co., 500 Belleville Turnpike, North Arlington, New Jersey 07032, USA.	Wrapping packages & an assembly for feeding wed material
23	132924	16-11-72	Roche Ramchand Pardasani. Bhatia Bidg, 87, Ranade Road, Shivaji Park, Bombay 28, India.	Inter communication set
24.	132928	16-9-71	Sherritt Gordon Mines Ltd, 25 Kings street west, Toronto, Ontario, Canada	Pump control system
25.	132948	17 <b>-9</b> -71	The sen Neiderthein Gmbh 42, Oberhousen, Essener, Street 66, FRG.	Shaft furnaces
25.	132920	21-2-71	Sherritt Gordon Mines, Ltd, Canada	A device for diverting downward flow of particulate material
27.	133036	5-12-72	The Textile & Allied Industries Research, Organisation, Kala Bhavan Premises, Buroda 390001 India	Open end spinning
28.	133100	4-10-71	Union Carbide Corpn, 270 Park Avenue, New York, New York 10017 USA	Process for regulating the optimum current required for producing quality controlled metallurgical products
29.	133147	6-10-71	F.L. Smith & Co., A/s 77 Vigerslev Alle, Copenhagen Valby Denmark.	Cooling cement clinkers
30,	133148	6-10-71	F. L. Smith & Co., Denmark	Drag chain
31.	133198	11-10 71	Pressure Cookers & Appliances Pvt, Ltd, United India Bldg, Sir P. M. Road, Box 1542, Bombay-1 India	Pressure cooker
32.	133225	14-10-71	Lying Industries A/s, Leksvik- ramatur, 7120 Leksyik, Norway	Annular expanding ring structure
33.	133226	14-10-71	Westinghouse Air brake Co., Pittsburgh, Pennsylvania, USA	A fluid pressure brake equipment
34. ]	133227	14-10-71	Dunlop Holdings Ltd, Dunlop House Ryder street, St lames London Sw 1 England	Reinforced flexible hose
35.	133260	18-10-73	C.S.I.R. Rafi Marg, New Delh:-1 India	Lithographic printing plates
36. !	133270	19-10-71	Girling Ltd, Kings road, Tyseley, Birmingham 11 England	Disc brakes for vehicles
<b>37</b> .	133380	27-10-71	Abex Corpn 530 Fifth Avenue, New York, N. Y. U.S.A.	Disc brakes
38.	133400	29-1-73	S. Goswami 7/1 Lower Circular road, Calcutta 71, India	Metal cooling & cutting edges of razor blade
39	133409	29-10-71	Girling Ltd, England	Hydraulic braking system for vehicles
40.	133477	4-11-71	Girling Ltd, England	Servo motors or boosters for vehicles brakes system
41.	133482	4-11-71	Deere & Co., Moline, 1 Ilinois, USA	Finishing patterns and core boxes
42.	133527	8-11-71	Terrence J Water, 3356 Mult- Holland Highway, Malilre, California 90265 USA	Hyperboloid buildings
43.	133534	8-11-71	Dayco Corpp 333 W First street, Dayton Ohlo 45402 USA	Continuously manufacturing flexible conduit
44.	133580	17-11-72	TAIRO Kala Bhawan, Premises. Baroda 39001 India	Laboratory Sizing machine

1	2	3	4	5
45.	133617	[5-11-7]	Ashahi Kasei Kogyo etc & Polymer Processing Research Inst. Ltd, Both of Japan	Producing crimped fibres bycontinuous wet heat setting and apparatus therefore
46.	133711	23-11-71	The Lubiizol Corpn, Cleveland, Ohio 44117, USA.	Flocculating solids suspended in en aquous medium
47.	133783	29-11-71	Sherritt Gordon Mines Ltd, 25, King street west, Toronoto, Ontario Canada	Control of density of thickner under flow shurry.
48.	133841	3-12-71	U.S. Amada Ltd, 615, 8th Avenue south Seattle, Washington, USA.	A punch press
<b>4</b> 9.	133861	7-12-71	Sprocket properties Ltd, 32 A Cook, erton Green, Darlington Dursham England	Fluidiseel bed apparatus & method
50.	133862	7-12-71	UOP Inc, 10UOP Plaza, Allgonqunf, Mount Prospect Road, Des Plaines, Illinois USA	Vapour liquid contacting device
51.	133901	9-12-71	Girling Ltd, Kings Road Tyseley Birmingham 11, England	Fluid flow control valve
52.	133940	14-12-71	Goncast A. G. Todi strasse 7, 8027 Zurich Switzerland	A cover for puring vessels in continous casting plant
53.	133941	15-12-71	Wi ehelm Stahlacker Gmbh Reinchenboach, W. Germany	Bearing unit for open and spinning turbines
5 <b>4</b>	133944	15-12-71	Girling Ltd, England	Shoe drum brakes for vehicles
55.	133988	17-12-71	Injecto Pvt. Ltd. 20/5 Mathura road, Faridabad 2, Haryana.	Carburattor
56	134022	21-12-71	Girling Ltd, Kings road, Tyseley Birmingham 11, Fngland	Servo motors
57.	134030	21-12-71	The Oil Technological Research Inst, Anantapur 51001 Andhra Pradesh India	Process of decutieling seasame seeds
59.	134052	2-9-72	ATIRA P. O. Polutechnic, Ahmedabad 15, India	Reed evaluator
59.	134120	4-8-70	Westinghouse Air Brake Co., Pitts- burgh, Pennyslvania U.S A	Propulsion and braking control system for railway vehicles
60,	13416,1	3-1-72	Cleo Ladell Sainsbury, 9537 Weishort Drive, Indiana Hills, Colorade 80454, U.S.A	Geoglogical sample collecting apparatus.
61.	134184	4-1-72	Kautex-Werk Reinhold Hagen, 5300 Bonn Holzelerl West Germany.	Apparatus for producing tubular hodies of thermoplastic synthetic resin material.
62.	134352	2-9-70	F. L. Smith & Co., A/5 77, Vigerslev Alle Copenhagen Valby Denmarlk,	, Apparatus for heating or cooling granular or powdered material.
63.	134380	25-1-72	Union Carbide Corpn., 270 Park Avenue New York, 10017, U.S.A	Reverse osmosis medule.
64.	134484	3-2-72	Francis Beatly Fishburne. 24 Summit Drive Ashville, North Carolina 28704 U.S.A.	Vertical press apparatus with remotly controlled distributors.
65.	134509	5-2-72	Girling Ltd., Kings Road, Tyseley Birmingham 11, England.	, Adopter assemeblies.
<b>6</b> 6.	134539	8-2-72	Veb Polygraph, 59, Zweinaundorfer strasse, 705, Leipzig East Germany	Apparatus for thread scaling togethe, two sheet profins.
67.	134540	8-2-72	Do.	A thread stitching method & apparatus.
68.	134541	8-2-72	Do.	Stitching apparatus.
69.	134542	8-2-72	Dυ,	Producing folded & thread sealed sheet products.

(1)	(2)	(3)	(4)	(5)
70.	134557	10-2-72	C. S. I. R., Rafi Marg, New Delhi-1, India.	Making water permicable drains.
71.	134587	11-2-72	Wilhelm Staclecker Gmbh 7431 Reichen- bach, West Germany.	Spinning turbine.
72.	134589	11-2-72	The Carborundum Co., 1625, Buffalo Avenue, Niggara Falls, New York, U.S.A.	Impact moulding of polyster.
73.	134602	14-2-72	UOP Inc., Ten uop Plaza, Algonquin & Mt prospect Road, Des Plaines, Illinios. USA	Apparatus for treating exhaust gases of an I-C engine.
74.	134622	15-2-72	Sandvik Aktiegolag, Sandviken, Sweden.	Drillrod coupling.
75.	134628	16-2-72	Westinghouse Brake & Signal Co., 82, Yorkway Kings Cross, London N 19AJ England.	Valve means.
76.	134663	18-2-72	Sherritt Gordon Mines Ltd., 25, Kings street, West Toronto, Ontario, Canada.	Container & method of separation of solids from liquid.
77.	134667	18-2-72	Hindustan Lever Ltd., Hindustan Lever House, 165/166, Backbay Reclamation Bombay 400 020 India.	Animal feed stuff,
78.	134669	18-2-72	Envirotech Corpn., 537, West Sixth, South Salt Lake City, Utah, U.S.A.	Agitator drive assembly for drum type filters.
<b>7</b> 9.	134718	23-2-72	Hindustan Lever Ltd., Bombay, India.	Production of a cold water soluble tea.
80.	134738	27-8-70	Girling Ltd., Kings Road Tysley Birmingham 11, England.	Servo motors for vehicle braking system.
81.	134743	24-2-72	F. L. Smith & Co., A/s 77, Vigorslev Alle, Copenhagen Valby-Denmark.	A heat exchanger.
82.	134810	2-3-72	Globe Union Inc., 5757 N Green Bay Avenue, Milwaulkar, Wisconsin 5321, U.S.A.	Industrial type variable speed centrifuge.
83.	134814	3-3-72	UOP Inc., Ten UOP Plaza, Algonquim & Mt. Propect Road, Des Plaines, Illinios, U.S.A.	Self adjustment for body support chushion.
84.	134824	4-3-72	British Steel Coprn., 33, Grosvenor Place, London SW 1 England.	Improvements in steel making.
85.	134885	8-3-72	H. Wigger & Co., 475, Unnd/Wesf, Morgenstr, 39/41, GFR.	Chopper for crushing.
86.	134889	9-3-72	Girling Ltd., England.	Sliding claiper disc brakes.
87.	134890	9-3-72	Do.	Do.
88.	134902	10-3-72	Dunlop Ltd., Dunlop House Ryder street, St James London SW 1, England.	Power transmission conveyor & vehicle tract belt.
89.	134947	15-3-72	Japan Food storage & Packaging Co., Ltd., 15 Morimoto-cho Shimogamo, Sakyo-ku-kyoto, Japan.	Packaging free flowing granular or powdered materials into tightly scaled shaped form.
90.	134949	15-3-72	The Gillette Co., Prudential Tower Bldg., Boston Massachusetts, U.S.A.	Razor,
91.	134950	1 <b>5-3-</b> 72	Do.	Disposable razor Blade unit.
92,	134951	15-3-72	Do.	Package for razor blade units.
93,	134956	16-3-72	Union Carbide Corpn., 270 Park Avenue, New York, N. Y. 10017, U.S.A.	Production of ferrosilicon alloys.
94.	134975	17-3-72	Wilhelm Stahlecker Gmbh 7341, Reicher bach, Bei Geislingen/steig, West Germany,	Break or open end spinning rotor or turbine.
95.	134991	20-3-72	Repla Internation S.A.H. 56, Blvd Napoleon, Luxembourg.	Producing article cacking? trope,

1	2	3	4	5
96.	135000	20-3-72	Vysore Ucani Technike, Barno, Czechoslovakia.	Injection unit of injection pump of combustion engine.
97.	135018	22-3-72	Girling Ltd. England.	Seal for sealing an annular space and such seal in combination with master cylinder assembly.
98.	135060	25-3-72	Dr. Carl Hahn Gmbh Kaiser werther- Strasse 270, 400 Dusseldorf, FRG.	Preparing absorbent cotton articles for feminine hygiene.
99.	135069	27-3-72	Thermo King Corpn., Minneappolis, Minnesota, U.S.A.	A compressor refrigerant system employ in a fluorocarbon refrigerant.
100.	135102	29-3-72	Emhart Industries Inc., 426, Colt Farmington Connecticut, U.S.A.	Making glassware by press & Blow technique.
101.	135167	4-4-72	Parks Cramer Co., P.O. Box 444, Fitch, burgm Massachusetts, U.S.A.	Cleaning elongated textile machines such as spinning.
102.	135274	13-4-72	F. L. Smith & Co., A/s 77, Vigerslev Alle, Copenhagen Valby Denmark.	Screw elevators.
103.	135305	17-7-73	New Standard Engineering Co. Ltd., NSE Estate Goregaon, Bombay, India.	Device for mounting section tubes on front rollers of textile spinning machines.
104.	135 <b>359</b>	3-5-72	F. L. Smith & Co., A/s 77, Vigerslev Alie, Copenhagen Valby Denmark.	Rotary kiln plant for manufacturing cement.
105.	135369	25-5-72	Girling Ltd., Kings Road, Tyseley Birmingham 11, England.	Fluid level indicating devices.
106.	135381	7-7-72	Bespak Industries Ltd., Fieldings Road, Cheshnut Waltham, Hertfordshire, England.	
107.	135440	15-7-72	Casabloaneas Ltd., Coronation Road, London N. W. 10, England.	Textile fibre drafting apparatus.
108.	135469	18-5-72	Variable Kinetic Drives Ltd., Rose Cottage Pillorge Green, Napton, Rugby, Warwickshire, London, England.	
109.	135495	1-10-71	Associated Engineering Ltd., 60, Keilworth, Road, Leamington Spa, Wirwickshire, England.	Fuel pressure regulator.
110.	135545	19-7-72	F. L. Smith & Co., A/5 77 Vigerslev Alle, Copenhagen Valby Denmark.	Rotary kiln.
111.	135562	1-8-72	Envirotech Corpn., 537, West Sixth South Salt Lake City, Utah, U.S.A.	Apparatus for rotary filters.
112.	135 <b>5</b> 76	2-8-72	Girling Ltd., Kings Road, Tysley Birminghama 11, England.	Servo boosters for vehicle brake systems.
113.	135606	4-11-72	Do.	Two pedal hydraulic braking system.
114.	135737	14-7-72	Do.	Raitway brakes:
15.	135862	20-6-72	Sandvik Aktiebolag, Sandiviken, Sweden.	Cutting tool.
116,	135892	26-10-72	Girling Ltd., England.	Shoe drum brakes.
17.	135914	8-5-72	Do.	Disc brakes.
18.	135933	24-10-72	Do.	Tandon master cylinder for hydraulic braking system.
119.	135935	22-11-72	Do.	Internal shoe drum brakes.
120.	136044	11-9-72	Sandvik Aktiebolag, Sandviken, Sweden.	Cutting tool assembly.
121.	136062	22-6-72	Girling Ltd., England.	Disc for vehicles.
122.	135611	15-6-72	D. P. Joshi & R. P. Menon both of Railway Staff College Quarter No. 10, Lalbaug Baroda 4, India,	A screw drum stop valve mechanism.

## REGISTRATION OF ASSIGNMENTS, LICENCES, ETC. (PATENTS)

Assignments, licences or other transactions affecting the interests of the original patentees have been registered in the following cases. The number of each case is followed by the names of the parties claiming interests :-

93272

M/s. Racold Appliances Pvt. Ltd. (formerly Refrigeration and Appliances Co. Pvt. Ltd.).

#### PATENTS DEEMED TO BE ENDORSED WITH

## THE WORDS "LICENCES OF RIGHT".

The following patents are deemed to have been endorsed with the words "Licences of right" under Section 87 of the Patents Act, 1970. The dates shown in the crescent brackets are the dates of patents.

-1	ΝТ	-	

#### Title of the invention

- 81072 (20.4.72) Improvements in or relating to preparation of hydrogenation catalyst material.
- 135344 (19.4.72) Process for preparing synthetic rutile from ilmenite.
- 136576 (23.12.72) A method of clarifying juice and apparatus therefor.
- 136608 (25.7.72) Process for the preparation of 1, 2-dialkyl-3, 5-diphenyl pyrazolium salts.
- 136738 (23.8.72) Method of producing antibiotic validamycin A.
- 136741 (8.3.73) Method of producing thin magnetic layers on a metallic conductor.
- 136751 (10.8.72) Process for preparing new antibiotic SF-1293 substance.
- 136844 (15.7.72) Process of preparing nickel chromium steel and its casting.

## RENEWAL FEES PAID

140814 140867 140960 140971 140999 141071 141160 141231 141300 141411 141450 141456 141689 141700 141701 141799 141888 141940 142124 142132 142190 142256 142333 142391 142564 142877 143096 143118 143426 143441 143485,

## CESSATION OF PATENTS

97310 97337 97419 97474 97523 97539 97558 97571 97613 97639 97655 97704 97864 97883 97927 98001 98107 124440 124441 124453 124470 124484 124488 124492 124505 124512 124515 124522 124534 124536 124537 124538 124583 124584 124587 124593 124597 124607 124608 124614 124620 124638 124681 124683 124684 124691 124695 124737 124741 124744 124746 124776 124777 124793 124803 124808 124809 124822 124823 124833 124834 124846 124853 124854 124869 124903 124915 124926 124927 124951 124962 124969 124972 124985 124987 124994 124999 125025 125035 125036 125077 125065 125076 125078 125089 125092 125114 125116 125125 125129 125133 125134 125144 125145 125147 125166 125198 125213 125226 125232 125233 125234 125247 125261 125266 125269 125280 125287 125314 125330 125331 125339 125343 125348 125352 125360 125361 125366 125376 125388 125389 125435 125453 125469 125472 125485 125511 125512 125541 125551 125553 125561 125590 125596 125607 125608 125610 125611 125614.

## REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the designs Act, 1911.

The date shown in each entry is the date of registration of designs included in the entry.

- Class 1. Nos. 146799 to 146801. Racold Applicances Pvt. Ltd., an Indian Company of "Vandhna", 12th Ltd., an Indian Company of "Vandhna", 12th Floor, 11, Tolstoy Marg., New Delhi-110001, India. "Terminal holders". March 13, 1978.
- Class 4. No. 147487. Gembex (India) Private Limited, an Indian Company, at D-94, Himalaya House, 23 Kasturba Gandhi Marg, New Delhi-110001. "Glass bottles for beverages and other liquids. August 26, 1978.

Name Index of applicants for patents for the month of October 1978 (Nos. 1080/Cal/78 to 1178/Cal/78; 293/Bom/78 to 319/Bom/78; 182/Mas/78 to 202/Mas/78 and 711/Del/78 to 781/Del/78 to 781/Del/78Del/78.)

Name	Appln. No.
(A)	
AB Akerlund & Rausing	1155/Cal/78
A/S Elektrisk Bureau	766/Del/78
A.S.E.D.	1151/Cal/78
Airwick AG.	713/Del/78
<del>-</del> -	715/Del/78
Aktiebolaget SKF.	777/Del/78
Akzona Incorporated.	780/Del/78
Aluminiumlpari Tervezo ES Intezot.	Kutato 1142/Cal/78
American Flange & Manufacturi: Inc.	
	778/De1/78
Arioli & C.S.r. 1	1085/Cal/78
<b>(B)</b>	
BASF Aktiengesellschaft.	1099;Ca1/78
BBC Brown, Boveri & Company L	imited. 1093/Cal/78
B.F. Goodrich Company, The.	1148/Cal/78
B.F.G. Glassgroup	768/Del/78
Balaşubramanian, K.	189/Mas/78
Barve, Y. S.	298/Bom/78

Name	Appln. No.	Name	Appln, No.
(B) Contd.		Garodia, B. K.	1126/Ca1/78
	748/Del/78	General Electric Company.	1108/Ca1/78
Bayer Aktiengesellschaft.	, ,	Conclus Company.	1109/Ca1/78
min of There will be included and	763/Del/78	General Refractories Company.	758/Del/78
Bharat Heavy Electricals Limited.	733/Del <sub>/</sub> 78	Ghai, A. K.	725/Del/78
Boehringer Mansheim GmbH.	1080/Cal/78	One, A. K.	726/Del/78
Bogutzki, H-U (Hans-Alrich)	1098/Cal/78	Gondhalekar, D. G.	303/Bom/78
British United Shoe Machinery Company Limited, The.	757/Del/78	Gonanaiekal, D. G.	303/BOIII/76
Bunker Ramo Corporation.	1102/Cal/78	<b>(H</b> )	
Bunker Ramo Corporation.	1103/Cal, 78	Hilliburton Company.	719/Del/78
	1103/Ca1,78	II anouston Company.	749/Del/78
	1119/Cål/78	Harsukh,	724/Del/78
	1119/Ca1/78	Hindustan Machine Tools Ltd.	
	1130/Ca1/78	Howastan Machine Fools Ltd. Howast Aktiengesellschaft.	188/Mas/78
	1137/Cal/78 1138/Cal/78	H 1991 M Aktieugesellschaft.	1081/Ca1/78
Burroughs Corporation.	1087/Cal/78		1082/Cal/78
Burroughs Corporation.	1001/Cal/10		1083/Ca1/78
( <b>C</b> )			1118/Ca1/78
• •			1130/Cal/78
Camphor & Allied Products Limited.	307/Bcm/78		1161/Cal/78
Chinoin Gyogyszer ES vegyeszeti Termekek			1162/Ca1/78
Gyara RT.	1086/ <b>C</b> al/78		1163/Cal/78
Chloride India Limited.	1120/Cal/78		1164/Cal/78
Comez, M. J.	199/Mas/78	_	1177/ <b>C</b> a1/78
Compagnie Industrielle Des Telecommunica-		Huns Packaging Pvt. Ltd.	730/Del/78
tions cit-alcatel.	760/Del/78		737/Del/78
Conrad Limited	759/ <b>D</b> el/78		
Controls and Drives Corporation.	194/Mas/78	$(\mathbf{I})$	
Controls, R. K.	1090/Cal/78	Ing Com'ed Industry Co. Ltd.	1120/Cal/20
Coronet-Werke Heinrich Schlerf GMBH.	1159/Cal/78	Indian Institute of Science.	1128/Cal/78
Council of Scientific and Industrial Research.	716/Del/78		197/Mas/78
	721/Del/78	Interlight.	765/Del/78
,	722/Del/78		776/ <b>D</b> el/78
	723/Del/78,	<b>(T)</b>	
745/Del/78,	750/Del/78	<b>(J)</b>	
751/Del/78;	752/Del/78,	Jacobsen, A. N.	769/Del/78
753/Del/78;	754/De!/78,	Jain, C. K.	
755/Del/78;	756/Del/78	Jain, S.	301/Bom/78
761/Del/78;	770/Del/78	Jani, S.	732/Del/78
771/Del/78 :	779/Del/78.	Johns-Manville Corporation.	738/Del/78
, , ,	, , , , , , , , , , , , , , , , , , , ,	Jo.183-M thythe Corporation.	1088/Cal/78
(D)		Johnson & Johnson	1176/Cal/78
- COMP Culti	1001:0-1.00	Johnson & Johnson.	1143/Cal/78
Dr. C. Otto & COMP GmbH.	1091/Cal/78	Joshi, D.	310/Bom/78
Dana Corporation.	1166/Cal/78	Joshua, V.	184/Mas/78
Das Gupta, A. R.	1140/Cal/78		198/Mas/78
Development Consultants Private Limited.	1089/Cal/78		
Ohar, S.	1134/Ca1/78	<b>(K)</b>	
Digital Equipment Corporation.	775/Del/78		
Dixi t,	310/Bom/78	Kabel-Und Metaliwerke Gutehoffnungshutte	
		Aktiengesellschaft.	1107/Cal/78
<b>(E)</b>		Kabra, G. K.	731/Del/78
Eastern Carbons.	1139/Ca1/78	Kale, S. D.	299/Bom/78
Elkem-Spigerverket A/S.	1092/Cal/78	Kearney, T. J.	1104/Ca1/78
	,, 10	Kelkar, H. G.	316/Bom/78
<b>(F)</b>		mel . I. wr T	318/Bom/78
ta do Abdahalas	767/10:1170	Khaynekar, Y. J.	306/Bom/78
agersta Aktiebolag.	767/Del/78	Kinariwala, S. N.	1178/Cal/78
Forenade Fabriksverken.	774/Del/78	Kipping, V. L.	1165/Cal/78
Franz Plasser Bahnbaumaschinen Industrie-	1117/Cal/78	Klimenko, T. M.	1095/Ca1/78
gesellschaft m.b.H.	111/Cal/10	Krishwnaswamy, C. S.	185/Mas/78
( <b>G</b> )			186/Mas/78
		Kumar, V.	772/Del/78
adad, K. M.	187/ <b>M</b> as/78	Kundapur, A. (Dr.).	304/Bom/78
Faltonde, S. D.	302/Bom/78	Kuruvilla, M. M.	202/Mas/78
Janesan, R.	191/Mas/78	Kusters, E.	1084/Cal/78

Name	Appln, No.	Name 	Appln N
<b>(L</b> )		Rathi Industrial	
IE Commission in A NOTE - Ass. 1 .		Equipments Co. (P) Ltd.	294/Bom/78
LE Commissariat A L'Erergie Atenticue and BFG Glassgroup.	7 <b>68</b> [ <b>T</b> 6][78		295/Bom/78
and Bro Glassgroth.	/CC, 1. C', /C	Ravig on Sugar Farm Limited, The.	308/Bom/78
Laird, J. L.	742/Del/78	Raychem Corporation	1106/Cal/78
Lai(u, J. L.		Romualdi, J.P.	1112/Cal/78
indo Aldinossalla do Ca	743/Del/78	2401142-1011-11-1	1112/041/10
Linde Aktiengesellschaft.	1129/Ca1/78	(S)	
olift (U. K.) Limited.	1114/Cal/78	G-6-G-11 - D	
Lucas Industries Limited.	1170, <b>C</b> al/78	Saft-Societe Des	
(8.4)		Accumulateurs Fixes	
(M)		ET De Traction	781/Del/78
Maneksha, H. F.	305/Bom/78	Sanghani, S.K. (Dr.)	312/Bom/78
Manickam, A. G.	196/Mas/78		313/Bom/78
Maniyar, S. S.	306/Bom/78	Schwiter Engineering Works Ltd.	1152/Ca1/78
Martech International Inc.	1100/Cal/78	Secigal, O. P. (apt.)	319/Bom/78
Maschinenfabrik Augsburg-Nurnberg	1100/00/10	Sen, S.	1134/Ca1/78
Aktiengesellschaft.	1115/Cal/78	Sequeira, J.A.	297/Bom/78
	1171/CaI/78	Seshamani V,	736/Del/78
Maslyansky, G. N.	1095/Ca1/78	Shreeshyla Electronics Private Limited	183/Mas/78
Mathur, M.	200/Mas/78	Siemsns Aktiengesellschaft.	1110/Cal/78
Mehra, B.	734/Del/78	•	1133/Cal/78
vicinis, D.	735/Del/78	Simmons, L.R.	1123/Cal/78
Mehrotra, C. L. (Dr.).	306/Bom/78	Singh, I.	717/Del/78
Metal Box Limited.	. ,	Smithkline Corporation	718/Del/78
Mitsui Toatsu Chemicals, Incorporated.	1131/Cal/78	Smith Kline & French	710/100/1/70
	1160/Ca1/78	Laboratories Ltd.	714/Del/78
Monsanto Company.	1145/Cal/78	Stamicarbon B.V.	764/Del/78
(ND		Standard Oil Company, The.	
(N)		Societa' Nazionale Industria	741/Del/78
N.V. Philips' Gloeilampenfabrieken.	1135/Ca1/78		1114/0-1/20
Nagarajan, V. (Dr.)	195/Mas/78	Applicazioni Viscosa S.P.A.	1116/Cal/78
Naidu, P.N.A.	182/Mas/78	Societe Civile D'Etude ET DE	
Narain, J.P.	1101/Cal/78	Recherches DES Transmissions Speciales.	1149/Cal/7
Nayak, U.V.	201/Mas/78	Speberg, L.R.	1175/Ca1/78
Noelakantan, O.M. (Prof.)	189/Mas/78	Srivastava, S.C.	1150/Cal/78
		Stablex A.G.	1132/Cal/78
Nitto Boseki Co., Ltd.,	1157/Ca1/78	Stanadyne, Inc.	1147/Ca1/78
Norton Company.	1094/Cal/78	Subramaniam, C.K.	185/Mas/78
(O)			186/Mas/78
(0)		Sumitomo Chemical Company Limited	1156/CeJ/76
Onishi, S.	740/Del/78	<b>(T)</b>	
Outokumpu, OY.	1096/Cal/78	(1)	
	, ,	Tata Engineering and Locomotive	
( <b>P</b> )		Company, Limited.	293/Bom/78
		Techinical Drilling Tools, Inc.	1158/Cal/78
Pad <sub>S</sub> hah, P.J.	300/Bom/78	Thomas & Betts Corporation.	747/Del/78
Pfizer Corporation	712/Del/78	Tsai, K.L	1141/Cal/78
Phillips Petroleum Company,	1112/Cal/78	·	-11-0
	1125/Cal/78	<b>(U</b> )	
Photon Power, Inc.	711/Del/78	UOP Inc.	744/Del/78
Plastimax India.	1127/Cal/78	USM Corporation.	744/Del/78 733/Del/78
Plessey Handel Und Investments AG.	1097/CaJ/78	USS Engineers and Consultants, Inc.	762/Del/78
Pohlman, J.C.	1112/CaI/78	Union carbide Corporation.	
Prager, J.	1105/Cal/78	Official caldide Corporation,	720/Del/78 746/Del/78
Proizvodstvennoe Obledineni	•	University of Manchester Institute	/ TO/ DCI/ /6
"Uralelektrotyazhamash",	1153/Ca1/78	of Science and Technology, The.	739/Del/78
Purnachandra, N.	1167/Cal/78		
	1168/Cal/78	<b>(V)</b>	
	1169/Cal/78	Varde Engineering Company Private	
	1172/Cal/78	Lmited	314/Bom/78
	1173/Ca1/78		315/Bom/78
	1174/Cal/78	Varde, P.V.	313/Boin/78
		+ · · · · · · · · · · · · · · · · · · ·	
( <b>R</b> )		Veb Filmfabrik Wolfen.	315/Bom/78
•			1124/Ca1/78
Raiturker, D.V.P.	311/Bom/78	Verinigte osterreickische Eisen Und Stahlwerke-Alpine Montan Akiengsells-	
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Name	Appln, No.	Name	Appln, No.
(V) Contd.		Westinghouse Air Brake Company	1113/Cal/78
Verghese, M.	193/Mas/78	Writer, P.N.	296/Bom/78
Verma, K.	727Del/78 728/Del/78	<b>(Z)</b>	
	729/De1/78	Zharkov, B.B.	1095/Ca1/78.
Vohra, K.	317/Bom/78		
Vulcan Australia Limited	1121/Cal/78		
( <b>W</b> )			S VEDARAMAN
Walmbe, B.B.	309/Mas/78	Controller-General	of Patents, Deisgns
Wean United Inc.	1144/Cal/78		and Trade Marks.

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